THE CHEMIST AND DRUGGIST

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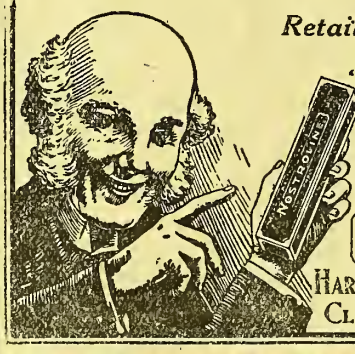

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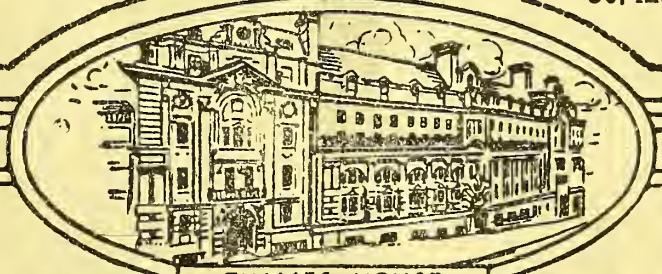

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This handy box is becoming better known each week that passes. . .

EVERY mail brings us letters from satisfied users and inquiring friends asking us to send supplies of Chocoloids by return. Every such letter conveys thanks for the benefits derived, and many inform us that our suggestion to have Chocoloids as a stand-by in case of bowel irregularity is being adopted.

We wish to transfer this trade to you, and we ask for "retail" co-operation in our endeavour.

Chocoloids are being extensively advertised in all the magazines, weekly periodicals, and in daily newspapers.

Take advantage of this publicity and the Chocoloids goodwill by ordering a supply to-day.

On the P.A.T.A. List.

Chocoloids REGD.

The Cure for Constipation

Bonus to the TRADE Chocoloids are supplied to the retailer in two sizes—at **12/-** and **24/-** per dozen. With each dozen small size we give you Free one small tin, and with each half-dozen large size one large tin. Retail price **1/3** and **2/6** respectively. This gives a profit of - - - **36% and 46%**

FREE A large stock of Showcards is available to customers, and will be sent on request.

Chocoloids may be obtained from Wholesalers, or from

The CHOCOLOID CO.
Stirchley Laboratories - Birmingham.

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A. MILLAR & CO., LTD., DUBLIN

(VINUM AURANTII B.P.) Prepared in strict accordance with the Formula of the British Pharmacopœia. (Wholesale only)
London Agent: JAMES STIRTON 43 GREAT TOWER STREET, E.C.

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The Largest Makers in the Kingdom.
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Specialists in MEDICATED LOZENGES, PASTILLES, JUJUBES, COMPRESSED TABLETS, CAPSULES, PERLES, CACHOUS, BOILED GOODS, SALINES, &c. &c

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LIQUORICE & MENTHOL PELLETS.

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" COUNTER SHOW BOX
" WINDOW BILLS
" FREE SAMPLES
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are all conducive to the EASY SALE of

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Manufacturing Chemists, **KIDDERMINSTER.**

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DEVELOPERS, TONINGS, &c., for AMATEUR TRADE,
Packed in CARTRIDGES, PACKETS, SCALOIDS & SOLUTIONS.

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VARNISHES.

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WHITE MEDICINAL OIL, B.P.

(PARAFFINUM LIQUIDUM, from Pure Russian Oils).

Guaranteed to exactly conform to B.P. tests.

RECOMMENDED AND ADOPTED BY THE HIGHEST MEDICAL AUTHORITIES.
ABSOLUTELY ODOURLESS AND TASTELESS.

Consumers should insist upon a thorough test, as there are so-called white oils on the market which lack the pure ingredients and the special treatment absolutely essential to produce the B.P. article. By purchasing from Charles Farris you secure the guarantee of an old-established House and complete satisfaction. Samples and prices for comparison free on application.

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BISHOP'S NATURAL FRUIT SALINE

THIS preparation, our latest Saline, made by our Special Process without SUGAR or SACCHARINE, is an unique Saline. It is strongly effervescent and delightfully palatable, making a bright, refreshing draught, which acts as a mild but very thorough aperient, antacid and liver stimulant.

BISHOP'S NATURAL FRUIT SALINE is taken regularly with pleasure and safety by men, women and children all the year round. This steady demand makes it a profitable winter line. It keeps perfectly in all climates.

The Wholesale Price is 15/- per doz. Discount 10%, and carriage paid on £5 lots.
The P.A.T.A. Retail Price is 1/9 per bottle.
This ensures a profit of 7½d. a bottle to the Chemist.

Sold in P. S. Bottles with striking Litho. Cover.

PREPARED ONLY BY

ALFRED BISHOP, Limited

48 SPELMAN STREET, LONDON, E. 1.

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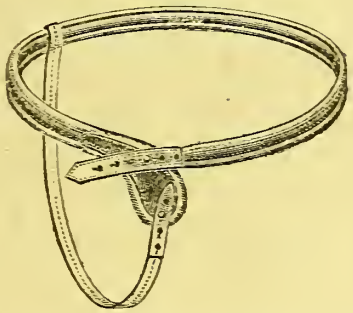
S·MAW·SON & SONS LTD
7/12 ALDERSGATE STREET
LONDON
ENGLAND

CABLES: ELEVEN LONDON
CODE: A:B:C 4th & 5th EDITION

Maw's Page.

NUMBER 336. MARCH 23, 1918.

Maw's Standard Quality Trusses.

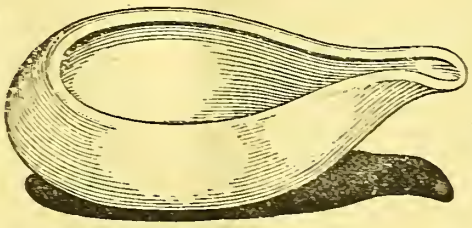


We are in a position to supply an excellent quality truss, the spring of which is covered with basil leather and lined throughout with buff mole. A first-class article at a low price.

INGUINAL, 28″ to 40″.		SCROTAL, 28″ to 40″.	
Single ...	3/- each.	Single ...	8/- each.
Double ...	5/- ,,	Double ...	14/- ,,

"Parex" (Regd.) Feeding Cup.

This Feeding Cup is the cleanest and most hygienic article of its kind yet produced. Every part is accessible for cleansing, the old-style covered spout being entirely eliminated.



Its graceful oval shape makes it exceedingly easy to handle in use, convenient alike to both patient and nurse. Being made of earthenware, it can be constantly sterilised if necessary.

PRICE .. 7/6 PER DOZEN.

HOURS OF BUSINESS: 8.30 a.m.—5.30 p.m. CLOSE AT 1 p.m. SATURDAYS.

SACCHARIN TABLETS.

(550 standard Saccharin.)
0·01 gramme in each tablet.

In Tubes:

25's ...	...	7/- per doz., less 25 %.
50's ...	...	12/6 „ „

In Screw-capped Bottles:

100's ...	...	24/- „ „
200's ...	...	45/- „ „

In Air-tight Containers:

500's ...	...	105/- „ „

In Bulk:

1,000's	...	12/6 per 1,000 net.
5,000's	...	12/- „ „
10,000's	...	11/6 „ „

Per lb. (7,000 tablets), 82/6 net.

Terms: *Carriage Paid. Cash with Order.*

Manufacturers:

THE COOPER LABORATORY,
WATFORD, HERTS.

EVANSOL

ANTISEPTIC

OINTMENT

P.J.F. 104 (18)

Made from Evansol (Lysol Evans). An effective preparation, attractively presented. Invaluable for healing.

EVANS SONS LESCHER & WEBB LTD.

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FOR SHAMPOO POWDER, CORN SILK ETC.

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The Country needs the help of EVERY CHEMIST.

EVERY CHEMIST can help his Country by becoming an "Official Agent" for the sale of War Savings Certificates. The plan is a simple one. He may purchase ten, fifty, one hundred or more Certificates at a time and exercise his salesmanship by disposing of them to his customers. He does not risk his capital. It all comes back again.

Several thousand shopkeepers have made application to the National War Savings Committee to become Official Agents. *But many more are wanted.* Do not hesitate to apply because the efforts of a single individual may appear small; when multiplied by many thousands they will prove of substantial help to the nation.

Will every Chemist who reads this show his patriotism by making direct application to the National War Savings Committee on the Coupon below?

Full particulars will be sent him, and he will be placed in touch with his Local War Savings Committee, who will assist him in this good work on behalf of the Country. Some Chemists already find it a distinction to be among the first Official Agents appointed, and have been sold out of Certificates four times in ten days.

Fill this in and POST IT TO-DAY.

To **NATIONAL WAR SAVINGS COMMITTEE,**
Salisbury Square, London, E.C. 4.

Please send particulars of how I can become an "Official Agent" for the sale of War Savings Certificates.

Name.....

Address.....

.....

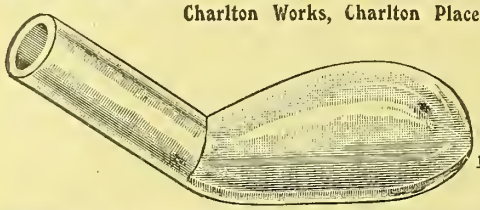
C.D. 2.

NO STAMP is required.

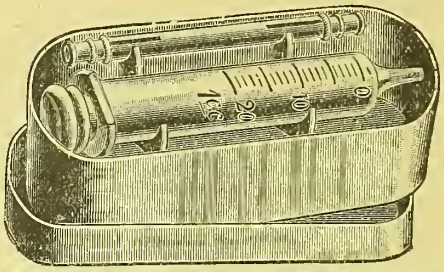
We are making Lamp-blown Glassware, such as Ampoules, Hypodermic Tubes, &c., in England. Let us have your inquiries. You will find our prices competitive and our deliveries smart. Besides we also have varied stocks of Glass Bottles. *Send us your inquiries and ask for our Stock List.*

JULES LANG & SON

Charlton Works, Charlton Place, ISLINGTON, LONDON, N.



Sole Proprietor: FERNAND RENÉ LANG.



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OIL OF PENNYROYAL— —SPECIALITY, 6/6 per lb.

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Manufacturing Chemists.

PHARMACEUTICAL PRODUCTS:

¶ Tablets, Lozenges, Pastilles, Salines, Citrates, and Packed Proprietaries.

1868 to 1918

"Still achieving, still pursuing."
—*Longfellow.*

It would be difficult to get a phrase more applicable to ourselves in less words. Dr. Barnes, Charlemont St., Dublin, sent in this phrase in response to the invitation in the Jubilee issue of Ayrton's Supplement, and the sum of **£5** has been awarded to him.

P·K·L

(Pain-Killing Liniment)

is the title of a new line in Liniments.

The Liniment has to be put on only. No rubbing is necessary, and the effect is felt immediately it is applied.

The Showcards present the case for **P.K.L.** effectively. They bear a clear Message in the Ayrton way—the way that will get itself read.

P.K.L. is quite as effective as any established preparation, and the profit margin is very considerably larger. Formula for formula it is the best value on offer, and it will bring repeat business.

Prices are:	1 doz.	**9/6**	P.A.T.A. retail at 1/3 per bottle.
	6 ,,	**9/3**	
	12 ,,	**9/-**	

We can supply 3 dozen and upwards printed with your name and address, but when this is not specially requested we supply it printed with our own name and address.

A Sample on request.

We pay Carriage on assorted Drug Sundries and Packed Goods to the value of **50/-** to any part of Great Britain and Ireland.

AYRTON, SAUNDERS & CO. LTD
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FINEST QUALITY *Norwegian* MEDICINAL NON-FREEZING

ISAAC SPENCER & CO., (ABERDEEN) LTD.,
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EUCALYPTUS OIL

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Eucalyptol Content	70/80 %
Optical Rotation	0 to 1
Specific Gravity	·919 to ·928

Absolutely Free from Phellandrene.

Quotations by cable. *Wholesale Trade only.*

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Eucalyptus Oil Distillers,

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New Postal Address— 439 Flinders Lane, Melbourne. Cables—"Burnside Company, Melbourne."

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"Zinyl" Brand (Regd.)

TRUE SYNTHETIC PRODUCTS

THESE Ottos are intensely strong and are quite different from the usual Concentrated Perfumes, generally made to a uniform concentration of, say, 40 or 50 times. The Synthetic Neroli, for instance, has a concentration of 220.

BERGAMOTTE. A substitute for Natural Bergamotte Oil ... ... 15/- lb.

CARNATION. Intensely fragrant, exactly resembles the flower ... ... 8/6 oz.

GERANIUM. Much stronger than the natural perfume ... ... 5/- oz.

HELIOTROPE. The true odoriferous principle of this delightful flower ... 10/6 oz.

HYACINTH. Gives a fine delicate perfume ... ... 9/6 oz.

JASMIN. We consider this Otto one of the best of the series ... ... 10/6 oz.

LILAC. A true synthetic product of great delicacy ... ... 9/6 oz.

LILY OF THE VALLEY. A perfect imitation of the flower ... ... 13/6 oz.

NEROLI. Of exquisite flavour; very useful in making Eau de Cologne ... 8/6 oz.

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PINK. An exquisite product, true to the flower ... ... 8/6 oz.

ROSE. One of the finest and most delicate Synthetic Ottos on the market. The "Zinyl" Brand passes the most discriminating tests, and is almost indistinguishable from genuine otto, and though much stronger, costs but a fraction of the price. **15/- oz.**

ROSE RED. This is the Red Rose of Provence ... ... 15/- oz.

ROSE WHITE ... ... 13/6 oz.

SWEET PEA. A novelty recalling the delightful odour of this favourite flower ... ... 10/- oz.

SYRINGA. Also a new product ... 10/- oz.

VIOLET. A universal favourite, in general demand ... ... 10/6 oz.

VIOLET DE PARME. A variation of the preceding Otto ... ... 15/- oz.

WALLFLOWER. Recalls this beautiful old-fashioned flower ... ... 10/6 oz.

G. S. (Aberdeen)—"I am highly pleased with your Ottos."

The *Chemist and Druggist* recently described the Synthetic Otto of Violets as "distinctly the real thing, and it is the closest imitation of the natural flower we have met with."

H. E. STEVENSON & CO.,

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NEARLY 40 YEARS' EXPERIENCE AT YOUR SERVICE.

Petroleum Jelly

White, Yellow, Amber, & Ruby Red, for all Pharmaceutical and Veterinary purposes

MEADE-KING, ROBINSON & CO.
LIVERPOOL - - - MANCHESTER

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IS MANUFACTURED BY
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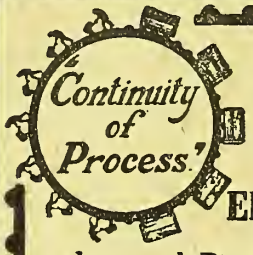
Correspondence solicited with Firms and Corporations desiring to extend their business in Canada.



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CAPSULES of
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of LIME.
THE BEST TONIC FOR
FORTIFYING AND BUILDING UP
THE NERVOUS SYSTEM.
Sold by all Chemists.
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PARIS.

MORRHUOL CHAPOTEAUT

CAPSULES

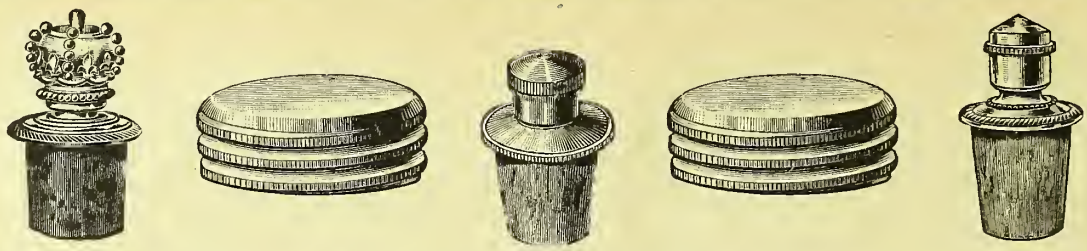
MORRHUOL DE CHAPOTEAUT is extracted from cod-liver oil, and contains all its efficacious properties without the disagreeable taste.

It cures Coughs, Bronchitis and Catarrh, restores the appetite, and gives force to feeble persons.

SOLD BY ALL DRUGGISTS.

CHANDRON'S
DROPS
(Gouttes des Colonies)
A harmless antiseptic
preventative against CHOLERA
FERMENTATION - INDIGESTION
& other intestinal disturbances.
SOLD BY ALL CHEMISTS

LONDON AGENTS
HEPPELL & CO., 164, Piccadilly, W.



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FILLING & CLOSING MACHINES

METAL CLIPS for ends of Tubes and MACHINES for fixing same.
SCREW CAPS, METAL TOP CORKS, etc., etc.

Inquiries invited.

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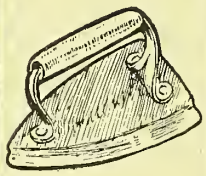

YOU WON'T WANT A FLAT IRON
to smooth out the creases if you use
SEMREH
BOTTLE CAPS.
They are SELF-FIXING and SELF-FITTING: They assume a smooth surface as they dry.
Ask for Details:
THE VISCOSE Development Co., Ltd., BROMLEY——KENT.

"Strodonia"
VANISHING CREAM

is extensively advertised. Don't miss sales by being out of stock. Two sizes—7½d. @ 5/6. 1/- @ 9/- per doz.; from London Wholesalers.

For displaying a small showcard, we make the following offer on INITIAL DIRECT ORDERS:—

1½	dozen 7½d.	selling for	11 3
¾	" 1/-	" "	9 0
For 10/- cash with order, carriage paid.			20 3

SPECIAL TERMS FOR LARGE BUYERS.

STRODE COSH & PENFOLD, Manufacturing Chemists, LOWER UNION ST., **BRISTOL.**

ROBARTES' FOUR

Diadem Vanishing Cream.
The New Cream for discerning women, put up in original white globes, P.A.T.A. 3/9, costs you 30/- doz.

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The fragrant powder in the dainty striped box. P.A.T.A. 2/6, costs you 20/- doz.

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The wonderful, pleasant, effective liquid Hair Remover. Sells and gets repeats. P.A.T.A. 3/9, costs you 30/- doz.

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The dainty deodorant that eliminates all odour of perspiration, P.A.T.A. 2/6, costs you 20/- doz.

Ask your Wholesaler. Artistic showcards, etc. with orders.

Robartes, Ltd., 128 Jermyn St., London, S.W. 1.

AN INVITATION.

Should any subscriber to this Journal not yet have stocked **"SoToL"** (entirely British and the most convenient, elegant and efficient Mouth and Throat Wash & Nasal Douche yet introduced) they are invited to apply for free testing sample and full particulars to the Proprietors and Manufacturers:

Mouth & Throat Baths

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"SOTOL" Effervescing Tablets are obtainable from all Wholesale Chemists or Druggists' Sundriesmen.

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THYMOL

FINE WHITE
CRYSTALS

BRITISH MADE.

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LOFTHOUSE & SALTMER, Ltd.

Wholesale & Export Drug Merchants,
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INVITE the Trade to take up the following valuable P.A.T.A: Protected Lines, bearing a very large Protected Retail Profit, which sell freely and are well known and valued by the Public in many parts of the country.

P.A.T.A.	Protected Retail Price.	Dozen Net.
*LOSALL'S SALT (well advertised), tins	9d.	6/6
* " " " " "	1/6	13/-
* " " " " bottles in cartons	1/6	13/-

**Losall's Salt sells so well, surely it must pay Pharmacists to stock such a big profit-bearing protected line.*

Owing to the great increase in the cost of raw material and containers for our Losall's Salt, we are compelled to raise the trade prices, but the retail protected prices are proportionately increased.

LOSALL'S COMPOUND SULPHUR SOAP.
A valuable emollient medicated skin soap, especially suitable for use in Eczema } 1/6 13/6

Chemists requiring effective advertising matter for Losall's Salt, &c., will, on application direct to Lofthouse & Saltmer, receive a liberal supply of Dummies, Showcards, Window Slips, Price Tickets, &c., Carriage Paid, whether or no they have an account open with the Firm.

FOR LARGE BUYERS.

Tooth Powders

Bulk or Packed.

Also Vanishing Creams, Brilliantines, Toilet Paraffins, Lime Creams, Pomade Hongroise, Dental Creams, Shampoo Powders, and All Toilet Goods.

LOW PRICES for HIGH QUALITY.

STOKES & CO., Ltd.
Manufacturing Chemists and Perfumers,
31-35 Lower Castle, BRISTOL.

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Salvo Petrolia

the perfection of Petroleum Jelly

in qualities, white, lemon, yellow and golden, for pharmaceutical purposes.

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The Dee Oil Company, Ltd.
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Packed in barrels, kegs, and smaller packages according to requirements.

Inquiries are solicited for this article of **BRITISH MANUFACTURE,** and buyers may rely that for quality and price it will meet any competition.

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Samples and prices on application.

"OLEUM DEELINÆ," a certain cure for Eczema.

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We offer

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Send us your inquiries.

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The Finest Quality Aerated Waters are made only with the Finest Quality ESSENCES

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Soluble Essences are of the finest quality and being extremely concentrated are most economical

Lemon	Ginger Ale	
Orange	Stone Ginger (Cloudy)	
Ginger	Clear Ginger Beer	
Raspberry	Kola Champagne	
Strawberry	Lime Juice and Soda	
Pineapple	Lemon Squash	Vanilla

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ALL BRITISH

Are selling with a prodigality that is nothing short of surprising. Any number of Chemists are selling the 3-dozen lots with bonus in a very short time indeed. No Nail-Stone in pre-war days could better Perro, and certainly none just now. Just the line to sell with absolute confidence. Note price and P.A.T.A. profit.

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ALTERATION of PRICES of EDWARDS'
"UZON" BRILLIANTINE &
"ASTINE" VANISHING CREAM

"ASTINE" TOILET SOAP | *"ASTINE" TOOTH POWDER*
"ASTINE" SHAVING STICK | *"ASTINE" TALCUM POWDER*

EDWARDS' HARLENE, Ltd., Proprietors of "Uzon" Brilliantine and "Astine" Vanishing Cream, &c., beg to announce that as from

MARCH 1, 1918,

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"Uzon" Brilliantine	-	1/-	size increased to	1/1½
" "		2/6	" "	2/9
"Astine" Vanishing Cream		1/-	" "	1/1½
" " "		2/6	" "	2/9

"Astine" Toilet Soap, Shaving Stick, Tooth Powder and Talcum Powder, 1/- size increased to 1/1½.

The exceptional increase in the cost of ingredients used in the manufacture, also bottles, labour, &c., necessitates this step being taken.

NEW WHOLESALE TERMS:

"Uzon" Brilliantine	-	1/1½	size	12/6	per dozen.
" "		2/9	"	30/-	"
"Astine" Vanishing Cream,		1/1½	"	12/6	"
" " "		2/9	"	30/-	"

"Astine" Toilet Soap, Shaving Stick, Tooth Powder, and Talcum Powder, 1/1½ size, 12/6 per dozen.
Less 20 per cent. Discount.

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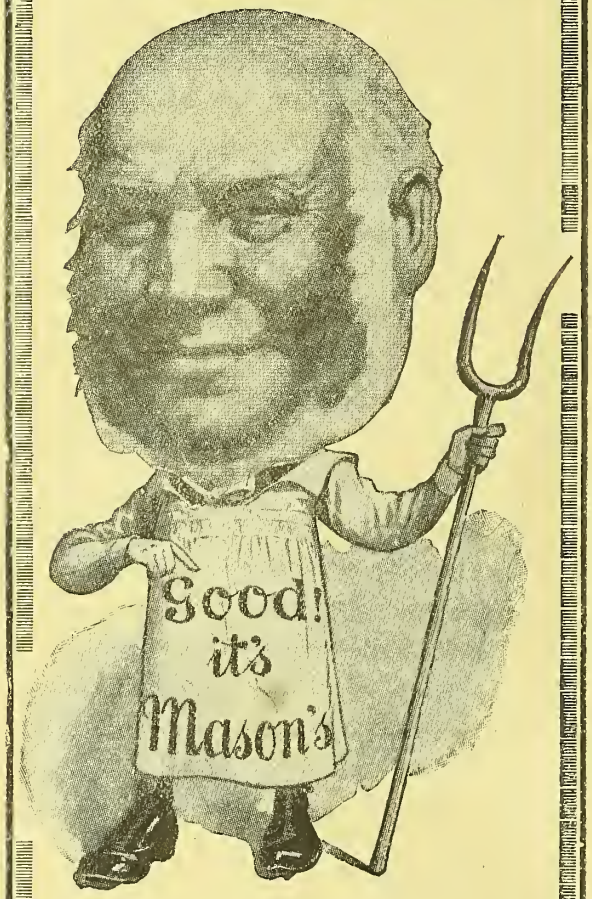

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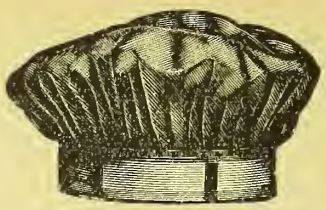

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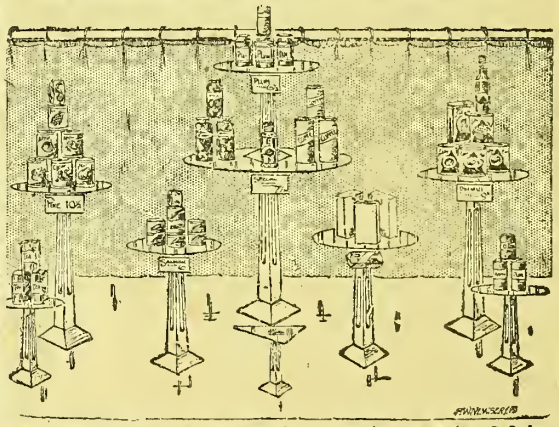

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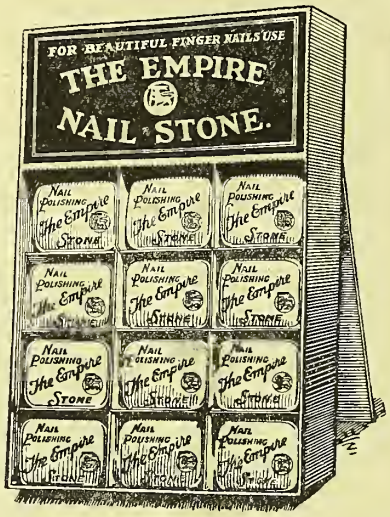

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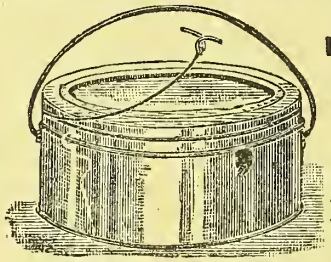

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E. G. Evans

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WE UNDERTAKE to destroy all printed matter in our possession in which the Trade Mark 'Tabloid' or 'Tabloids' is employed where the products of Burroughs Wellcome & Co. are not designated, and to refrain from any further infringement of their trade mark rights, and we agree to publication of this apology.

Dated this sixth day of March, 1918

(Signed) E. G. EVANS
Director

Witness:—
(Signed) William Rock
18, Osborn Road
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Accountant

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Easter Holidays.

WILL contributors and advertisers please note that THE CHEMIST AND DRUGGIST and the *Coloured Supplement* close for press next week a day earlier than usual—viz., on Wednesday, March 27? It will help us considerably if matter for insertion in the next issue is sent as promptly as possible.

Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Monday, March 25.

Edinburgh Chemists' Trade Association, 36 York Place, at 8.30 P.M. Mr. J. H. Tainsh on "Sidelines and How to Push Them."

Society of Chemical Industry, London Section, Burlington House, Piccadilly, W., at 8 P.M. Mr. E. C. De Segundo on "Some Cotton-seed Products in Relation to Present-day Needs."

Wednesday, March 27.

Liverpool Chemists' Association, Royal Institution, Colquitt Street, at 8.30 P.M. Mr. W. L. Currie on "Some Current Topics."

European War News.

Import and Export Notices.

SWEDEN.—Terpineol, safrol, and menthol have been added to the list of goods which are now prohibited for exportation from Sweden to all countries, and also in transit through Sweden.

Chemical Munitions Profits.

A White Paper has been issued containing the results of the investigation conducted by the Select Committee on National Expenditure into the Ministry of Munitions. Among the cases before the Committee were the following: *Chemical Product*: The company asked 17*l.* per ton, stating that the cost of manufacture was 22*l.* 10*s.*, but that they could afford the apparent loss as they were selling to the public at a very high price. An agreement was reached that the firm should be allowed 10 per cent. profit on the cost ascertained by an independent arbitrator, which was about 13*l.* Another department of the Ministry had, at the same time, a contract with the same firm for the same commodity at 19*l.* and 20*l.* *Chemical Product*: In 1916, while the price of the commodity was 2*s.* 3*d.* per lb., the amount of profit retained by the company, after payment of all excess taxation, was 51,000*l.* Their paid-up capital was 11,250*l.*, and on the highest estimate the actual capital employed in the business was 75,000*l.* In 1917, when the flat-rate for the product was fixed at 1*s.* 11*d.*, the estimated profit (including third-party explosion risks) on the Ministry's costs was 60,000*l.*, of which 26,000*l.* would be retained after all deductions.

Imports from the United States.

In further reference to imports from the United States (see *C. & D.*, March 16, p. 43), the "Board of Trade Journal" for March 14 gives some further particulars of the new restrictions, in the course of which it states that "the action which has hitherto been taken by the European Allies has consisted mainly in the establishment in their respective countries of prohibitions of import, which, of course, provide for the issue of licences for goods the continued import of which is necessary. In the autumn the United States, in order to conserve the supply of goods which were both necessary for the war and limited in quantity, prohibited exports of certain categories by means of what was called the 'Conservation List.' They have now felt compelled to place a general restriction not only on all exports, but also on the placing of orders for goods by private firms. Except under licence from the Government of an importing country, no private firms may import goods from the United States or place orders for goods. Hitherto the problem of importing goods from the United States has been due almost entirely to the difficulties of the shipping situation, but difficulties which owe their origin to internal conditions in the United States have constituted a new incentive to action by the United States Government. The congestion on the American railroads has so greatly hampered the movement of goods from factory to depôt, and from depôt to port, that drastic measures for its alleviation have become necessary. The United States have accordingly intimated that not only will the export of all goods of United States origin and manufacture to the Allies in Europe be forbidden except under licence, but that no licence will be issued for export unless the fact that the goods are urgently required by the Allies is vouched for by the Government of the importing country. The American Government, as already indicated, have gone a step further even than this. They have noted that many private orders are being placed by private firms in the United States far in excess of the probable opportunities of shipping them, and they have decided to prevent the wasteful manufacture of goods for which there is little likelihood that shipping facilities can be provided in the near future. It has accordingly been decided that no orders for the supply of goods from the United States shall be placed without ratification by the importing country. The embargo is now in operation." The method of procedure for importers to obtain goods from the U.S.A. was given in our issue last week.

Oils and Fats Distribution.

The following are the Oil Supply Committees dealing with the distribution of common edible oils for any other purpose than margarine-making: *London area*, 29 Great St. Helen's, E.C.; *Bristol area*, Redcliffe Parade, West Bristol; *Hull area*, 35 High Street; *Liverpool area*, C20 Exchange Buildings; *Scottish area*, West Bowling Green Street,

Leith. Consumers may elect to be registered with any of the firms within their area from whom they have been in the habit of drawing supplies. The local dealers in each area obtain their oil from named refineries or wholesalers with whom they are registered by the Local Oilseeds Supply Committees. No supplies are obtainable from any other area except that in which the consumer carries on business. The local dealer will pay the Controller's maximum prices on the basis of net naked *ex* refinery, and will sell on naked terms to the consumer in quantities not exceeding 5 cwt. at an additional price of 7*l.* per ton, out of which margin he will defray the cost of transport. Where packages are supplied an extra charge may be made at cost price. No charge will be made for loaned packages. [We have ascertained that the Committees deal with the distribution of cottonseed oil, ground-nut oil, and sesame oil, but not with almond oil or olive oil.—Ed.]

Personalia.

Lieutenant Roy J. Wilkinson, who has been granted a commission after three years' active service in an ambulance corps, is at present stationed in Egypt. In civil life he was a Queensland pharmacist, and is still a regular reader of the *C. & D.*

Company Sergeant-Major Gilbert Atack, King's (Liverpool Regiment), has been awarded the Belgian Croix de Guerre for conspicuous gallantry in action. Sergeant-Major Atack, who enlisted in December 1914 from the Market Street, Blackpool, branch of Boots, Ltd., is in training for a commission.

Staff-Sergeant Stanley Marris, Australian Forces, is suffering from trench fever. Sergeant Marris, who qualified in 1906, was at one time a dispenser at the London Hospital, and subsequently held, till he joined up, a position as manager in Queensland. He is a younger brother of Mr. George W. Marris, Ph.C., who is on the laboratory staff of Evans Sons Lescher & Webb, Ltd., Liverpool.

Miscellaneous.

The Charoen Krung Dispensary, Bangkok, has been added to the list of firms to whom articles to be exported to Siam may be consigned.

Bombing Hun Chemical-works.—On March 19 British bombing aeroplanes registered eight direct hits on the Badische Anilin und Soda Fabrik at Mannheim. These works have been employed since the outbreak of war in the manufacture of explosives and poison-gas, and have been the objective of previous air-raids into Germany.

Bribing Shop-assistants.—An Order issued under the Defence of the Realm Act, which comes into force on April 1, makes it an offence for shop-assistants and others to accept gifts or tips offered them as an inducement to serve one customer with food or drink in priority to another. Persons engaged in the sale, delivery, or distribution of food or drink are also prohibited from accepting or obtaining, or agreeing to accept or obtain, for themselves or others, any gift or consideration (other than the sums properly payable by reason of the sale, delivery, or distribution in question) as an inducement or reward for giving priority or preference to one purchaser or receiver over another. The Order further prohibits the giving or offering by any person of such a gift or consideration. The prohibition does not apply to cases where an article of food or drink is supplied for consumption on the seller's premises.

An Experience in Egypt.—A correspondent writes from Cairo: "We are finding much difficulty in procuring all sorts of drugs, infants' foods, malt extract, etc., in Cairo, but can hardly expect it otherwise under the present circumstances. It may interest you to know that we have recently found in Egypt a whole tract of country full of almost chemically pure magnesium sulphate. Washing the desert sand, and then evaporating the water in flat dishes, the magnesium sulphate crystallises out almost pure, there only being a slight admixture of sodium chloride. In some cases it occurs in large masses like quartz. We are now making our own magnesium sulphate. I have just returned from the Sudan, and was much struck with the large field for exploitation of castor oil, colocynth, and senna, all of which grow abundantly there; in fact, the resources of that country are hardly yet realised. Colocynth apples grow in profusion all along the banks of the Nile from Assouan to Helfa, and the castor-oil plant is everywhere, and in these days, apart from its drug value, would be very valuable for lubricating-oil for aeroplanes, etc. The senna-industry is well forward, but was formerly entirely a German business. They bought the senna for a mere song, and sent it to America, whence it reached London, with added profits all along the line. Henbane grows well, too."

Military Tribunals' Decisions.

Since our Last Report the following decisions have been notified:

Old Leake.—An appeal against the conditional exemption granted to Mr. G. H. S. Payne, Ph.C., who, it was stated, is the only chemist in a ten-mile radius, was dismissed.

Oundle.—Mr. S. H. Page, chemist and druggist, was exempted for six months.

Rochdale.—Mr. Harold Thomas, chemist and druggist (J. J. Thomas & Son), was granted temporary exemption to May 31 in place of conditional exemption, and Mr. G. Swarbrick, assistant with the firm, was granted till June 30.

Rochester.—Mr. H. C. H. Freestone, chemist and druggist, manager to Ostler & Co., Ltd., chemists, High Street, Strood, was exempted for three months.

Shoreditch.—Messrs. H. J. Edwards, manager, and H. J. Corrick, shipping clerk, both with Sharland & Co., chemical exporters and merchants, Eldon Street, were exempted for six months.—Mr. J. C. May, assistant with G. Pasco & Son, chemists, Hackney Road, was exempted unconditionally for six months.

Southwark.—Shirley Bros., Ltd., inform us that their loss of men of military age is even greater than was represented at a recent Tribunal hearing (*C. & D.*, March 16, p. 34). The cashier and buyer then exempted is the only man left out of forty-two, all of whom have been with the firm from boyhood.

Spalding.—Mr. E. A. Osborn, chemist and druggist, High Bridge, was exempted by the Appeal Tribunal for so long as he is approved by the Insurance Commissioners.

Workington.—Mr. Clarence E. Holmes, chemist and druggist, on whose behalf it was stated that he dispensed Insurance prescriptions and also supplied all the acids and chemicals for certain ironworks and collieries, was exempted for three months.

One-man Businesses.—An Association has recently been formed of proprietors of one-man businesses, its object being to look after the interests of its members both during and after the war. The Association has received the official recognition of the Ministry of National Service. Those interested should apply to the Hon. Secretary, "One-Man Business Association," The Holborn Restaurant, London, W.C. 1, who will be pleased to forward all particulars regarding the Association.

Contemplated Caterpillar Plague.

The Board of Agriculture and Fisheries (Food Production Leaflet No. 32) states that there is every likelihood of a bad attack of caterpillars on fruit-trees this year, and since there will be a great demand for fruit it is especially important that growers should keep a sharp look-out for them just as the buds are opening. If the caterpillars are discovered and destroyed then little real damage will be done to the trees, but if nothing is done a bad attack may develop, resulting in the stripping of the leaves and a severe or total loss of crop. It is added that a nicotine-and-soap wash is the most satisfactory means of killing the caterpillars before the flowers have opened, as it destroys apple sucker and aphis at the same time. The application should be made by means of a spraying-machine or garden-syringe, applied in a coarse spray with plenty of force so that the wash penetrates right into the buds and fruit trusses and so poisons the caterpillars' food. To make sufficient solution for ten medium-sized trees, dissolve ½ lb. of soap, preferably soft, in a little hot water, dilute with cold water to make 10 gals.; add ¾ oz. of nicotine (95 per cent. purity), and stir well. It is best to use soft water, if possible, but when only hard water is available increase the amount of soap to 1 lb. There are, it is added, many satisfactory proprietary insecticides containing nicotine on the market which may be used instead of this wash. If the attack is not discovered until after the flowers are open a solution of lead arsenate must be substituted, as nicotine will not kill well-grown caterpillars. The arsenate of lead should be bought in the form of a paste. Half a pound of paste dissolved in 10 gals. of water is sufficient for ten medium-sized trees. The wash must be applied in a very fine spray so that the entire surface of the leaves is covered with the poison. Spraying should cease when the leaves begin to drip. The amount of arsenate of lead eaten by the caterpillar as it feeds on the leaves is sufficient to cause its death.

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

Easter Holidays.

The following houses, in addition to those given in our last issue (p. 35), will close from Thursday evening, March 28, to Tuesday morning, April 2:

Allen & Hanburys, Ltd., Bethnal Green, E.
Ayrton, Saunders & Co., Ltd., Hanover Street, Liverpool.
Baiss Bros. & Co., Ltd., Grange Road, Bermondsey, S.E.
Hair, B. W., & Son, 104 High Holborn, W.C.
Harker, C. R., Stagg & Morgan, Ltd., Devon Wharf, Mile End, E.
Howards & Sons, Ltd., Ilford, E.
Lofthouse & Saltmer, Ltd., Hull.
May, Roberts & Co., Ltd., 7-13 Clerkenwell Road, E.C., and 16 Westmoreland Street, Dublin.
Morson, T., & Son, Ltd., Gray's Inn Road, W.C.
Oppenheimer, Son & Co., Ltd., 179 Queen Victoria Street, E.C.
Parke, Davis & Co., 50-54 Beak Street, W.
Reuter, R. J., 69 Carter Lane, E.C.
Sangers, 258 Euston Road, N.W.
Stevenson, H. E., & Co., 122 Great Suffolk Street, S.E.
Stevenson & Howell, Ltd., 95A Southwark Street, S.E.
Tompkins, J., Ltd., 386 City Road, E.C.
Toogood, W., Ltd., 77 Southwark Street, S.E.
Tyrer, T., & Co., Ltd., Stratford, E.
Wood, Vincent, 91 and 93 Newington Causeway, S.E.
Wright, Layman & Umney, Ltd., 44-50 Southwark Street, S.E.

Willows, Francis, Butler & Thompson, Ltd., 40 Aldersgate Street, E.C., are closing on Friday, March 29, and Monday, April 1.

Contracts.

The following tenders have been accepted by the bodies named:

Hampstead Borough Council.—Adcocks, carbolic fluid and formalin; A. Young & Co., carbolic powder; Dussek Bros. & Co., Ltd., pine fluid.

Yeovil Town Council.—Adcocks, and Killgerm Co., Ltd., disinfectants.

The following Government contracts were notified during February:

WAR OFFICE.—*Chemicals.*—Perry & Hope, Ltd. *Dental Outfits.*—C. Ash, Sons & Co., Ltd.; Dental Manufacturing Co., Ltd. *Disinfectants.*—Allen & Hanburys, Ltd.; Heppell's Insecto Laboratories. *Fly-catchers.*—Carter & James, Ltd.; H. Vale & Sons. *Medicines.*—Abel Manufacturing Co., Ltd.; Boot's Pure Drug Co., Ltd; Bradford Wool Extracting Co., Ltd.; Burgoyne, Burbidges & Co., Ltd.; Burroughs Wellcome & Co.; English Drug and Chemical Works, Ltd.; R. W. Greeff & Co.; Howards & Sons, Ltd.; May & Baker, Ltd.; Pickard, Ive & Rankin, Ltd.; Saccharin Corporation, Ltd.; T. & H. Smith, Ltd.; Southall Bros. & Barclay, Ltd.; Standard Tablet and Pill Co., Ltd.; J. Tye & Sons; Whiffen & Sons, Ltd.; J. & J. White. *Methylated Spirit.*—W. T. Alexander; Little Kitchener Co.; J. & D. McNair & Co.; Sutton, Carden & Co., Ltd. *Photographic Stores.*—Austin Edwards, Ltd.; R. W. Coan; Hampton & Son, Ltd.; Houghton-Butcher Manufacturing Co., Ltd.; Kodak, Ltd.; Walturdaw Co., Ltd. *Surgical Materials.*—Arnold & Sons; Barton, Gibbs & Co., Ltd.; J. Bell & Croyden, Ltd.; British Oxygen Co., Ltd.; Davey & Co. (London), Ltd.; Cuxson, Gerrard & Co., Ltd.; A. de St. Dalmas & Co.; General Surgical Co., Ltd.; J. L. Hatrick & Co., Ltd.; Leslies, Ltd.; W. Mather, Ltd.; S. Maw, Son & Sons, Ltd.; G. Moore; Norwich Crêpe Co. (1856), Ltd.; Siebe, Gorman & Co., Ltd.; T. J. Smith & Nephew, Ltd.; Southall Bros. & Barclay, Ltd.; J. Tye & Sons.

INDIA OFFICE.—*Crucibles.*—Morgan Crucible Co. *Dyes.*—British Dyes, Ltd.

Birmingham.

Alderman Clayton, Ph.C., presided at a lecture on March 14, on "The Garden and Large Yields," by Mr. F. J. Chittenden, F.L.S.

A lady with "sound chemical knowledge" is wanted, says an advertisement in the local Press, as laboratory assistant in a "controlled" works.

Mr. Thomas Brown Gillies, chemist, Watford, died at Birmingham on March 18, from injuries received in an explosion while experimenting.

Among the subscribers to the Syria and Palestine Relief Fund are Cadbury Bros., Ltd., 250*l.*; Alderman Clayton, 200*l.*; Southall Bros. & Barclay, Ltd., 10*l.*; Sir Thomas Barclay, 5*l.* 5*s.*

The Board of Agriculture and Fisheries have again called attention to the importance of allotment-holders, gardeners, and small cultivators generally taking measures to spray their potato crops so as to prevent disease. The pharmacist will no doubt be on the alert to profit in due season.

Liverpool.

The latest Sunday evening demand on the central-area pharmacist has been "a pair of bedroom slippers."

It is stated that Lever Bros., Ltd., are about to introduce a six-hours' working day at their Port Sunlight Works.

The exemption of Mr. H. Humphreys Jones, referred to in our last issue (p. 35), was finally settled by a letter from the Royal Society to the Clerk of the Tribunal, supporting other testimony.

The Council of the Liverpool Chemists' Association will entertain Mr. W. L. Currie, at the Exchange Station Hotel, on his visit on March 27. The Association's President (Mr. W. P. Evans) has been invited as a fellow-guest.

Much sympathy is being expressed with Mr. William Parry, Waterloo, in his bereavement. Formerly in business as a pharmacist in Liverpool, Mr. Parry has been for some years a representative of a wholesale house in the city, and is the *doyen* of travellers. The funeral of Mrs. Parry was attended by Mr. John H. Robinson, as a representative of the Liverpool Chemists' Association (see p. 38).

The Wallasey Chemists' Association held a whist-drive on March 20 for the Red Cross Soldiers' Comforts Fund. So generous were the gifts of prizes by wholesalers and retailers alike that the sale of tickets will go to swell the fund materially. Among the donors were Mr. W. P. Evans (President of the Liverpool Chemists' Association), Mr. W. H. Saunders, Mr. G. H. Burroughs (John Thompson & Co.), Vinolia Co., Ltd., and Mr. Ernest Taylor (President of the Wallasey Chemists' Association). The organiser was Mr. Charles Wherley.

The Liverpool Saccharine Co. writes to the local Press defining "saccharin" and "saccharine" as follows: "Saccharin is a residuary product obtained from the distillation of coal-tar, the only virtue of which is its sweetening properties, whereas saccharine, or 'malt sugar'—as it is sometimes called—is a highly nutritive article obtained, broadly speaking, by means of the conversion of grain into sugar, and contains many of the beneficial properties common to both malt and sugar." They add that infants lacking all power of digestion have been able to thrive on a dietary into which malt sugar was introduced.

Manchester.

Boots, Ltd., who recently acquired Mr. W. H. Delve's business in Stretford Road, have completed extensive alterations, taking in the next shop to make one large and imposing frontage.

A representative gathering of pharmacists from the Manchester Pharmaceutical Association paid their last tribute to Mr. George S. Woolley, whose funeral took place at the Manchester Crematorium on March 15.

Many chemists in Manchester and the district have been suffering from severe colds or influenza. One of them was obliged to manage as best he could till a *locum* could be secured—*locums* being almost as scarce as gold.

Miscellaneous.

WELLCOME HISTORICAL MEDICAL MUSEUM.—The Wellcome Historical Medical Museum will be closed for cleaning from April 1 to April 30 inclusive.

FIRE.—The works of Joseph Brown & Co., Ltd., tar and ammonia distillers, Savile Town, Dewsbury, were, on March 17, completely gutted by a fire which commenced in the sulphuric-acid portion. The damage is estimated at 30,000*l.*

POISONING.—An inquest was held at Westminster, on March 18, on Rose Matilda Fleck, clerk to an estate agent. Evidence was given that she was found in Hyde Park suffering from poison, a bottle that had contained potassium cyanide being discovered near her; and a verdict of "Suicide during temporary insanity" was returned.

BOTTLEMAKERS' ARBITRATION AWARDS.—The Arbitrator appointed by the Ministry of Labour has decided that the increase in wages granted by T. Ferry & Son, Ltd., bottle-makers, Gateshead-on-Tyne, shall be paid as from October 22, 1917. The application on behalf of the employés was for an award as from October 1. A complaint by the firm that certain men had acted unreasonably towards dilutees was not established.

RECONSTRUCTION COMMITTEES.—Sir Algernon Firth, President of the Associated Chambers of Commerce, speaking at Huddersfield recently, said that the Minister of Reconstruction has appointed forty-seven Committees, consisting very largely of departmental officials, with a small representation of business men. The Associated Chambers have

unanimously passed a resolution protesting against the manner in which Dr. Addison is appointing the Committees, which could not hope to secure support from the business community.

Trades Advisory Committee.—Mr. Benson Harries, who has been appointed the representative of the Newport (Mon.) Pharmacists' Association on the local Chamber of Trade, attended, on March 15, a meeting of the Chamber, at which Captain Williams, National Service Representative for Monmouthshire, explained the scope of the new Trades Advisory Committee set up under the Tribunal system. A Committee is being formed, but it does not include representatives of seven important trades, including chemists. After a long discussion, the Chamber resolved to invite those already elected to a meeting of the Management Committee of the Chamber, with a view to the appointment of an impartial Committee which will command the confidence of the entire trading community.

Sale of Food and Drugs Acts.—A case entailing the presentation of a good deal of expert evidence, which, it was said, would occupy a considerable time, was opened at Westminster Police Court on March 19, when several retail traders were summoned for selling, as received from the wholesale trade, liquid eggs containing boric-acid compound, alleged to be injurious to health. It was stated for the prosecution that the proportion of preservative varied from 60 to over 100 gr. per lb. of liquid egg. Mr. Ernest Wild, K.C., for the defence, said that the use of the preservative had long been sanctioned by the Local Government Board, and remarked that Westminster and Kensington seemed to have "got borax on the brain." These liquid eggs came from China, and as they twice went through the Tropics they were bound to contain preservative.—At Manchester Police Court, recently, J. A. Ashworth, grocer, Old Trafford, was fined 20*s*., and costs, for selling Epsom salts containing 1 gr. of arsenic per lb. It was stated that the Epsom salts were bought packed without a warranty.—At Melksham on March 8, Francis Durham, Seend, was fined 5*l*., and 14*s*. costs, for selling Epsom salts containing an excess of arsenic above the permitted maximum. The salts had been obtained by the defendant from Stratton, Sons & Mead, Ltd., Devizes, and by them from Edward J. Nation & Co., Ltd., Bristol.

Tinplate Supplies for Containers.—A sectional meeting of the London Chamber of Commerce was held at Oxford Court, E.C., on March 20, to ascertain what steps should be taken to meet the tinplate requirements of manufacturers and packers who supply the drug-trade. Mr. C. A. Hill presided, and about a hundred members were present, representing all sections of wholesale and retail traders. It having been explained that the efforts of the Association of Manufacturing Chemists, Ltd. (see *C. & D.*, January 26, p. 36), had not produced, so far, a tangible result, Mr. T. E. Lescher and Mr. J. Lawson detailed the results of inquiries made by them at the Ministry of Munitions. After various questions had been raised as to terms of reference, the following Committee was appointed (with power to add to their number) to arrange for the rationing of those entitled to supplies: Messrs. C. A. Hill (The British Drug Houses, Ltd.), J. A. Kenningham (Condy & Mitchell, Ltd.), J. Lawson (Boots, Ltd.), T. E. Lescher (Evans Sons Lescher & Webb, Ltd.), D. Mackenzie (T. & H. Smith, Ltd.), H. Miller ("U.C.A.L."), A. Wiggington (Chemists' Supply Association), and G. Wilshaw (S. Maw, Son & Sons, Ltd.). A suggestion to add a representative of the Pharmaceutical Society was dropped.

Police-court Cases.—At Bow Street Police Court, London, W.C., on March 7, John Batt & Co. (London), Ltd., metal-merchants, Old Broad Street, E.C., were fined 100*l*., and 25*l*. costs, for having in November last written to the Secretary to the French War Commission in London, stating that they had an opportunity of obtaining from Petrograd about 500 lb. of platinum, it being an offence to offer to deal in such war material. The value of this weight of platinum is 120,000*l*. at the current rate of exchange. The defence was that the firm had simply made inquiries.—At Thames Police Court, London, E., on March 7, Adolphus Raymond and Annie Bunin, drug-store proprietors, Great Alie Street, Whitechapel, were summoned under the Venereal Disease Act, 1917, for treating a Greek named Kontilli, who was suffering from venereal disease. Raymond was fined 25*l*., and 2*l*. 2*s*. costs, and the case against his co-defendant was dismissed.—At Westminster Police Court on March 20, Arthur Joseph Hamlyn, charged on remand with thefts of patent medicines, etc., from Harrods, Ltd., his employers (*C. & D.*, March 16, p. 36), was sentenced to six months' hard labour and ordered to pay 10*l*. 10*s*. costs.

The transparency of Queensland sapphires is much improved if they are subjected to a high temperature.

Irish News.

Brevities.

St. Patrick's Day falling on Sunday this year, Monday, March 18, was observed as a Bank Holiday in Ireland, and Irish chemists so far as possible allowed their assistants to participate in the holiday.

The question is being considered of allowing 90 parts of lead in 1,000,000 instead of 20 as now laid down in the British Pharmacopœia in cream of tartar. This modification is being urged because it is found impossible to maintain the higher standard during the war.

A request has been made by Mr. W. C. Harvey, Ph.C., compounder of medicines to the Clonmel Union for an increase of salary. His request was considered reasonable by the Guardians. He was appointed eighteen years ago at 52*l*. per annum, and his present salary is 70*l*.

The following are additional subscribers in Cork to the Widows and Orphans' Fund of the men who were drowned at sea: Sir Stanley Harrington, Messrs. Lester, Mayne, Blair & Lewis (Skibbereen). Some Cork chemists are receiving contributions at their pharmacies (see *C. & D.*, March 16, p. 36).

Drug Contracts.

The drug and surgical appliances contracts for Poor-law institutions are now being advertised. The Local Government Board has consented to half-yearly contracts being made on account of the uncertainty of prices. The preparations which have been withdrawn from the British Pharmacopœia have been omitted from the standard drug-list. Tenders are required to be lodged with the Boards of Guardians not later than noon on March 25.

Scottish News.

Brevities.

The branch-shop of Mr. William Lamont, chemist and druggist, at 21 Montrose Street, Brechin, is advertised as to let.

"At the present time," writes a correspondent, "monthly circulars dealing with all sorts of topics are being showered upon us. (There is apparently no scarcity of paper.) Instead of being consigned to the waste-paper basket they are being used by some chemists in wrapping up medicine-bottles."

Edinburgh.

One or two big drapery firms have displays of toilet-soaps at present.

Be economical, and fear not! Here is a recent prescription: "Pil. Hamilton. gr. viij. Sig.: Half a pill at bed-time occasionally."

The Industrial Reconstruction Council is holding the second of its series of provincial meetings at the Assembly Hall, Edinburgh, on April 3. The Lord Provost will preside, and Dr. Addison, Minister of Reconstruction, will be the principal speaker. The object of the movement is to arouse a widespread interest in the recommendations of the Whitley Committee for the establishment of a Joint Council in every industry.

About ten days ago three children, oldest about ten years of age, youngest about five, belonging to the Gorgie district, were found in Saughton Park in a sick, drowsy, and almost unconscious condition. On being taken home their mother promptly administered mustard and water and sent for a doctor. The mustard and water quickly took effect, and amongst the matter brought up were a considerable number of small black particles. When the oldest child was sufficiently recovered to give an account of what they had been doing, he produced from a pocket a handful of pods which had been plucked from the ornamental broom growing in the rockery of the park, and said that he and the others had opened a lot of the pods and eaten the seeds which they contained. Under the doctor's care, after their mother's efficient first-aid, they all recovered, but it was quite a week before they were sufficiently well to resume attendance at school. It might be supposed that by this time all the pods had fallen, or at least the seeds had been discharged, but there are still a few remaining on the bushes, and all those examined contained seeds. Some of the pods, kept for a few hours in a warm place, began to open out. This suggests that the bushes were late in fruiting, and the cold and damp of winter prevented the drying of the pods necessary for their opening.

Legal Reports.

Patent Agent Charged.—At the Central Criminal Court, London, on March 20, before Mr. Justice Lush, Mr. Oliver Imray was charged with an infringement of the Trading with the Enemy Act, 1914. The charge had reference to the payment in neutral countries of fees for the renewal of patents held by Germans (see *C. & D.*, March 2, p. 37). The Judge, after hearing the facts, said it was rather a technical infringement than a real offence, and he was satisfied that Mr. Imray had no intention of benefiting himself at the expense of his country, and did not realise that he was breaking the law. He ordered the defendant to pay a fine of 100*l.* and costs.

Tungsten Patent.—The House of Lords on March 18 had before it an appeal from the decision of the Court of Appeal in the case of the British Thomson-Houston Co., Ltd., *v.* Duram, Ltd., which referred to a patent granted to appellants for the treatment of tungsten to form wire. It had been held by the lower Courts that the patent was void for want of subject-matter, as it covered the working of fused tungsten while hot, and that the working of a fused metal hot was merely the utilisation of the common tools and routine of the metalworker and was not the subject of invention. The Lord Chancellor, who delivered judgment, upheld the decision of the lower Courts, and was supported by Lord Atkinson and Lord Shaw of Dunfermline. Lord Dunedin differed from their Lordships.

Employers' Liability.—"When a worker goes out for his lunch and meets with an accident in crossing the road which causes his death, is it an accident arising out of and in the course of the employment, and are the employers consequently responsible for death damages?" This was a question which Judge Atherley-Jones, K.C., in the City of London Court on March 18, was to have decided in a claim by a bank-messenger's widow against the Bank of British North America, 5 Gracechurch Street, for 300*l.* The employers took the view that it was an ordinary risk of life which caused the death, but, while they denied their liability, they agreed to pay 40*l.* and costs, as the ultimate decision was problematical. The Judge concurred, adding, "It is very problematical how the decision might have gone."

Debt Case.—Before Judge Kelly, at the Cardiff County Court on March 18, the interpleader action came on for hearing in which Chemists' Sundries, Ltd., Manchester, sued, as execution creditors, Gwilym Evans, drug-store keeper, City Road, Cardiff, for 21*l.* in respect of goods supplied. Defendant's wife, Mrs. Mary Evans, was claimant, the sum at issue having been paid into court. Claimant said she took the premises in February 1916 as a monthly tenant, a sister, now in America, financially assisting her, and a son in the Army. Her husband had a shop at Cowbridge Road, but failed, and came to manage her business. She sent a post-dated cheque to plaintiffs, and a county-court summons was obtained. Examined by Mr. Gordon Williams, for the execution creditors, witness said "City Road Pharmacy" was on the shop, as well as "Gwilym Evans" and the "Co-operative Drug-stores." Her name was on the fanlight over the door. The name of the previous tenant (Mr. Coelman) was also there. She admitted that a letter (produced) sent to a firm and signed by "Victor Evans" (her son) was written by her husband. It stated: "Mr. Evans has not returned home yet." Replying to the Judge, witness said her husband is not a qualified chemist, and she could not understand how her husband could write in his son's name and say he was not at home when he was at home. Witness, replying to Mr. Williams, said proceedings had been taken against her husband by the Pharmaceutical Society, and he had been fined. Judgment was given for the execution creditors.

Deed of Arrangement.

Watkins, Ernest Arthur Edgar, 21 Topsfield Parade, Crouch End, London, N., Chemist and Druggist.—Trustee, P. S. Booth, Kimberley House, Holborn Viaduct, London, E.C. Dated, March 8; filed, March 15. Liabilities unsecured, 222*l.*; estimated net assets, 78*l.* Among the creditors are: The British Drug Houses, Ltd., 19*l.*; Butler & Crispe, 20*l.*; E. Cook & Co., Ltd., 10*l.*; Duncan, Flockhart & Co., 12*l.*; Vinolia Co., Ltd., 35*l.*; and United Chemists' Association, Ltd., 11*l.*

"I Can Say with absolute confidence that there is no such thing as a craving for bromide."—*Sir James Mackenzie.*

New Companies and Company News.

P.C. means Private Company and R.O. Registered Office.

Benzoates, Ltd. (P.C.).—Capital 10,000*l.* Objects: To carry on the business of wholesale and retail, home and export manufacturing chemists, druggists, manufacturers of and dealers in coal-tar intermediates, perfumes, pigments, varnishes, and toilet-requisites. Solicitors: Wallington, Fabian & Houghton, 42 Theobalds Road, London, W.C.

British Farina Mills, Ltd. (P.C.).—Capital 100,000*l.* Objects: To adopt an agreement with the Food Controller (on behalf of H.M. Government) and to carry on the business of mill-owners, manufacturers of products from potatoes, sugar refiners, manufacturers of sheep-dip, glycerin, chemicals, etc. R.O., 71 Finsbury Pavement, London, E.C.

Southall Bros. & Barclay, Ltd.—The report of the directors for the year ended December 31, 1917, states that, after providing for bad debts, depreciation, excess-profits duty, and directors' remuneration, there is a profit of 25,500*l.* 1*s.* 8*d.* To this must be added 9,709*l.* 12*s.* 1*d.* carried forward last year, making a total of 35,209*l.* 13*s.* 9*d.* Out of this has been paid an interim dividend on preference shares of 2,750*l.*, leaving a balance of 32,459*l.* 13*s.* 9*d.*, which is to be appropriated as follows: Second half-year's dividend on preference shares at the rate of 5 per cent. per annum (paid January 1, 1918), 2,750*l.*; year's dividend on ordinary shares at the rate of 10 per cent. per annum, less income-tax, 8,600*l.*; bonus of 1*s.* per share on ordinary shares, less income-tax, 4,300*l.*; to be written off goodwill, patents, etc., 3,000*l.*; balance to be carried forward, 13,809*l.* 13*s.* 9*d.* Messrs. W. F. Southall and W. E. Hipkiss retire from the board, but, being eligible, offer themselves for re-election.

Evans Sons Lescher & Webb, Ltd.—The report of the directors for the year ending December 31, 1917, states that all trade expenses have been written off, and ample provision has been made for bad and doubtful debts, depreciation, advertising, trade-marks, income-tax, and leasehold sinking fund, also for excess profits duty. Interest on the debenture stock and dividend on preference shares, and an interim dividend on ordinary shares in July last, and fees and salaries to the directors have been duly provided for, and there remains an available balance for further dividend on ordinary shares of 21,310*l.* 1*s.* 9*d.* The directors have to report a satisfactory year's trading, notwithstanding that less business has been done with Russia, where during the previous two years the company had large dealings. Their relations with other Allied and neutral countries are very cordial, and at the present time large orders are being shipped to these various markets. The difficulties in shipping during the latter part of the year prevented many orders being executed. The company suffered a severe loss in August by the sudden death of Mr. John J. Evans, the first chairman of the company. His death was followed by that of Sir Edward Evans, his successor as chairman, in October, who passed away after a trying illness of some months' duration. Mr. William P. Evans has been elected chairman of the company, and Mr. E. A. Webb (senior director at the London house) the deputy-chairman. Mr. Stephen F. Webb, junior director, who has been awarded the Military Cross, is still with H.M. Forces, and in addition some 300 of the staff, many of whose dependants are being provided for in their absence. During the year the directors have to mourn the loss of fifteen of the staff who gave their lives in the service of the country. The directors individually subscribed to the War Loan, and placed before their employés a scheme for subscribing, and were much gratified with the response thereto. The large building site acquired in Bartholomew Close, London, has been utilised by the erection of a temporary building to expedite the despatch of orders. Plans have been prepared by Sir Aston Webb, K.C.V.O., C.B., R.A., for permanent buildings after the conclusion of peace. Considerable developments in the manufacture of pharmaceutical preparations, chemicals, and bacteriological products at the company's works in Liverpool and Runcorn have been completed during the year, and arrangements for further extensions are now under consideration. The drug-farm established in 1914 is yielding promising results. The cordial relations with the National Drug and Chemical Co. of Canada, Ltd., continue. The directors recommend that for the second half-year a dividend at the rate of 12½ per cent. per annum be paid on the ordinary shares, making 10 per cent. for the year; this with the interim dividend of 7½ per cent. per annum declared for the first half-year, and placing 2,500*l.* to reserve, leaves 9,435*l.* 1*s.* 9*d.* to be carried forward.

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Birth.

Dunnet.—At Bainsford, Falkirk, on March 14, the wife of David Dunnet, chemist and druggist, of a daughter.

Marriages.

Bushell—Bishop.—At St. Mary's Church, Welshpool, on March 16, by the Vicar (the Rev. E. H. Griffiths), Cadet Harry Bushell, Stone House, to Hilda, daughter of Mr. William Bishop, chemist and druggist, Broad Street.

Clark—Wood.—At the Parish Church, Penistone, on March 3. Private Cecil T. Clark, youngest son of Mr. A. B. Clark, druggists' sundriesman, to Miss M. E. Wood, Penistone.

Smith—Bastow.—At Bradford, on March 14, Second-Lieutenant Ernest Smith, R.F.C., West Bowling, to Alice Heaton, elder daughter of Mr. Solomon Bastow (H. Heaton & Co., soap manufacturers, Bradford).

Deaths.

Bollen.—At the Gillingham Hospital, Kent, on March 12, Mr. Clement Roderick Bollen, chemist and druggist, aged thirty-seven. Mr. Bollen had recently acted as a relief manager for Boots, Ltd. (Southern). The funeral took place at Bromley Old Cemetery on March 18.

Church.—At Field Head, Alderley Edge, on February 22, Mr. William Worthington Church, chemist and druggist, aged seventy-five. Mr. Church was in business before August 1, 1868.

Heath.—At Hove, recently, Mr. Robert Philip Heath, chemist and druggist. Mr. Heath carried on business for many years at 24 Church Road, Hove, as Weston & Co.

McNeil.—Off the Newfoundland coast, on February 24, Mr. Thomas M. McNeil, chemist and druggist, St. John's, Newfoundland. Mr. McNeil succeeded his father as proprietor of the business of T. McMurdo & Co., wholesale and retail chemists, St. John's, which was founded in 1823. He had come to London to study for the Minor and Major examinations, but owing to his father's illness was obliged to return before he had entered for the first of these. He subsequently paid several visits to England, and developed his business in novel directions. In 1910, in association with his *confrères*, he induced the Legislature to pass a Pharmacy Act, which provided, among other things, for the establishment of a Pharmaceutical Society in Newfoundland, Mr. McNeil becoming its first President. He was on his way to New York in the *Florizel*, when the ship went on the rocks in a violent snowstorm and all on board were lost.

Mr. T. M. McNeil.

Davies.—At 20 Bodfor Street, Rhyl, on March 16, Mr. Edward Davies, chemist and druggist, aged ninety-four. Mr. Davies, who was believed to be the oldest chemist in Wales, was father of the late Mr. T. M. Davies, chemist and druggist, Rhyl, and grandfather of the present proprietor of the business, Mr. H. C. Davies, chemist and druggist. He was apprenticed at St. Asaph in 1837, and in the early 'forties became assistant with a doctor in Oxford Street, London, W., in premises afterwards occupied by Mr. W. T. Cooper. The journey was made by coach—the only route. In those days Mr. Davies attended lectures at Bloomsbury Square at 6 A.M. He was never allowed time for recreation, and a pretext was found by his employer to deprive him of his Sunday dinner. Afterwards he served as assistant in Paris to Mr. Wilcox, the founder of Wilcox, Jozeau & Co., who, before being officially registered as a *pharmacien*, was visited by detectives in search of incriminating evidence, and saved himself from exposure by packing Mr. Davies off with a bundle of prescriptions. Before quitting Paris Mr. Davies took a French diploma; returning to Wales, he opened in business at Ruabon. He was a most interesting man, with a fund of memories, and since his retirement some thirty-five years ago had travelled and walked a great deal. He was over six feet in height, of active habits, and kept his faculties keen and appreciative to the last. He well remembered the days of single-draught dispensing, and the dismay with which the innovation of 8-oz. sixth-part mixtures was regarded. He was the owner of considerable property in Rhyl.

Parry.—At 16 Great George's Road, Waterloo, Liverpool, on March 15, Celia, wife of Mr. William Parry, chemist and druggist. The funeral took place at St. Luke's, Crosby, on March 18.

Died on Service.

Good.—Private Joseph Good, Cameron Highlanders, is presumed killed on service. In civil life Private Good was with Harkness, Beaumont & Co., manufacturing chemists, Leith.

Parkes.—Sergeant Ernest Parkes, King's (Liverpool Regiment), is reported as killed. In civil life, Sergeant Parkes was with Joseph Crosfield & Sons, Ltd., Warrington.

Personalities.

Mr. A. Hunter, dispenser at the Newcastle-on-Tyne Poor-law Infirmary, has been granted a war bonus at the rate of 22*l.* 2*s.* per annum.

Mr. James Innes, chemist and druggist, West of Scotland representative for Raimes, Clark & Co., Ltd., Edinburgh, has been elected a director of the company.

A Photograph of Mr. W. E. Goff, Ph.C., an ex-Chairman of the Dartford Urban Council, has been hung in the Council-chamber with those of other past Chairmen.

Mr. David Anwyl James, son of Mr. D. E. James, chemist and druggist, King Edward Street, Barmouth, has passed the Matriculation examination of the London University.

Mr. A. H. Lyons, managing director of B. Robinson & Co., Ltd. (Robinson's concentrated waters), Manchester, was installed Worshipful Master of the Duke of York Lodge of Freemasons at the Mosley Hotel, Manchester, on March 14.

Among recently elected members of the Harrogate Chamber of Trade are Messrs. G. G. Bosward, chemist and druggist (Taylors' Drug Co., Ltd.), F. V. Butterfield, chemist and druggist, T. E. Handford, Ph.C. (Handford & Dawson, chemists), and L. Foster (Camwal, Ltd.).

Mr. Geo. Naylor, Ph.C., advertising manager of Scott's Emulsion, who for some time has acted as hon. consultant to the Director of Publicity of the National War Savings Committee, carried out the duties of hon. advertising manager of Business Men's Week, and was responsible for the Press advertisements used during that week.

A Memorial Service was held at Mortlake Parish Church on March 3 to dedicate a memorial to Brethren of masonic orders who have fallen in action. The following lodges were represented: Edward Terry, Fairfax, Wolsey, Richmond, Lodge of Light, Grand, and Provincial Grand; full regalia were worn. A guard of honour was provided by the Surrey Volunteer Regiment. Among those present were Bros. Thomas Batey (London Insurance Committee), A. J. Rickford (Allen & Hanburys, Ltd.), J. R. Royle (Ingram & Royle), and Alban Atkin, chemist and druggist, West Hampstead.

Wills.

Mr. William Inman, Sunnybrae, 11 Newbattle Terrace, Edinburgh, who died on December 20, left estate valued at 54,545*l.*

Mr. Thomas Herbert Parker, chemist and druggist, Silverdale, Summerheath Road, Hailsham, who died on January 25, left estate valued at 6,054*l.* 5*s.* 7*d.* gross, with net personalty 4,333*l.* 12*s.* 1*d.*

Mr. Frederick Tidswell, J.P., chemist and druggist, Main Road, Denholme, Bradford, who died on February 9, left estate of the gross value of 5,986*l.* 7*s.* 7*d.*, of which 4,852*l.* 16*s.* 6*d.* is net personalty.

Mr. John Wray, 136 Stapleton Hall Road, Stroud Green, N., and 8 High Holborn, London, W.C., managing director of Wray's Drug Co., Ltd., who died on August 1, left estate valued at 2,926*l.* 5*s.* 5*d.* gross, with net personalty 2,830*l.* 10*s.* 9*d.*

Pharmaceutical Society of Ireland.

Council-meeting.

The monthly meeting of the Council of the Pharmaceutical Society of Ireland was held on March 12 at 67 Lower Mount Street, Dublin. Mr. James Michie, President of the Society, presided. The following members of the Council were also present: Dr. A. J. Barnes, Dr. J. A. Walsh, Messrs. G. D. Beggs, J.P. (Hon. Treasurer), W. F. Wells, J. H. Bowden, A. Owen Wells, Wm. Hanna, J.P., R. Blair, John Smith, Wm. J. Hardy, Victor E. Hanna, and G. A. McLean Lee.

Pharmacists in the British Army.

Mr. W. F. Wells said he should like to correct a statement he had made at the last meeting of the Council. In reference to the Army compounders he was reported as saying that Britain was the only civilised country in whose Army commissions are not granted to qualified chemists. That is not so. As a matter of fact, a number of countries like France have corps for pharmaciens; and they grant commissions of high rank and down to that of second-lieutenant to all qualified chemists. In other armies commissions are granted to some pharmacists and non-commissioned rank is given to others. There are a few armies which do not give rank necessarily to pharmacists, but they are very few. Since the last meeting he had had a visit from a corporal and a sergeant from Australia who are in the Army Medical Corps, and they told him that the compounders in their Army are qualified chemists, and that they have the rank of staff-sergeants. They get that rank right off. As far as he had been able to ascertain Great Britain is the only country in whose Army the chemist, as such, is not recognised and given some rank.

Preliminary Registration.

The following submitted certificates from other bodies and were admitted to preliminary registration:

Miss Evelein Hoy, Belfast; Miss F. A. Bracken, Sandymount, Dublin; Messrs. J. H. Cronhelm, Blacklion, co. Cavan; Francis Burke, Westport, co. Mayo; R. Daly, Ballyagogue, Kilfinane, co. Limerick; Robert Farrell, Blackrock, co. Dublin; and James Anthony Reilly, Birr, King's Co.

Changes of Address.

The following notified changes of address:

Mr. John Hall, Ph.C., from 50 Hatton Drive, Woodstock Road, Belfast, to 13 Dunluce Street, Larne; Mr. M. Greenbat, Ph.C., from 42 Station Road, Birmingham, to c/o Mr. T. H. Foden, M.P.S., High Street, King's Heath, Birmingham; Mr. Charles F. Farren, Ph.C., to The Donegal Pharmacy and Drug Co., Ltd., The Diamond, Donegal; Mr. B. Bassett, Ph.C., C.A.M.C., to 13 South Parade, Waterford; and Mr. Thomas Moore, chemist and druggist, from 27 Hughenden Avenue, Belfast, to Lismara, Salisbury Avenue, Antrim Road, Belfast.

The Pharmaceutical Society of Great Britain was thanked for copies of the Calendar and Registers.

Examiner Re-elected.

On the motion of Mr. W. F. Wells, seconded by Dr. Walsh, Mr. R. S. Conyngham, M.A., M.P.S.I., was re-elected an Examiner for the Preliminary examination.

The Registrar (Mr. A. T. Ferrall) submitted a communication from the Pharmaceutical Council of Western Australia conveying greetings for the year 1918 with the sentiment, "May peace and concord prevail."

Catalogue of Scientific Journals.

The Registrar stated that he had seen the Registrar of the Royal College of Science in reference to the communication submitted to the previous meeting of the Council on the subject of a general catalogue of the scientific journals in the Dublin Libraries. The Registrar of the College of Science informed him that what is intended is to get the names of scientific journals with the names of the institutions in which they are to be found.

The Registrar was directed to supply the College of Science with a list of the journals received by the Pharmaceutical Society.

The Kilkenny Prosecutions.

A letter was submitted from Messrs. A. & J. Robinson, solicitors, reporting upon the recent prosecutions at the Kilkenny Petty Sessions, and stating that the fines imposed amounted to 60*l.* 15*s.*

Municipal Administration.

The Registrar submitted a letter from the Dublin Chamber of Commerce enclosing for signature copies of a petition to the Lord Lieutenant asking for the appointment of a Commission to inquire into and report upon the administration of the Dublin Corporation, Lunatic Asylum Board, and the North and South Dublin Unions, and to recommend "such changes in their organisation and powers as in the judgment of the Commission will secure efficient administration and adjustment of expenditure to a scale which will not impose excessive burdens on the ratepayers and trading community."

The Registrar was directed to display the petition in the office for signature.

Death.

The death of Mr. George Edwin White, chemist and druggist, Bournemouth, late of Waterford, was notified.

Reports from Committees.

Reports from the Law Committee, the House Committee, and the School Committee were considered and adopted.

Elected as Members.

On the motion of Mr. Tate, seconded by Mr. W. F. Wells, the following were elected as members:

Mr. John Macauley, Ph.C., Shields' Medical Hall, Irish Street, Downpatrick, and Mr. Walter Cecil Tate, Ph.C., 7 and 9 Royal Avenue, Belfast.

Study of Chemistry.

Dr. Barnes proposed, in accordance with notice of motion:

"(*a*) That the paragraph headed 'General and Pharmaceutical Chemistry' (page 121 of Calendar 1918) in the Regulations for the Pharmaceutical Licence examination be altered to read as follows:—

'General and Pharmaceutical Chemistry.—The course as set out in the Syllabus of the Society's School of Chemistry (pages 128-130 of Calendar). To recognise the chemical substances of the Pharmacopœia; to describe the processes by which they are obtained; Qualitative Analysis (including the tests of the Pharmacopœia) and Volumetric Analysis; and to submit to a practical examination in these subjects. Special stress will be laid on a competent knowledge of organic chemistry.'

(*b*) That the Society's Professor of Chemistry and the Society's Examiner in Chemistry be asked to furnish suggestions for revision, if necessary, of the Chemistry Syllabus as set out on pages 128-130 of the 1918 Calendar, and that the School Committee deal with the matter in time for the January Pharmaceutical Licence examination and the 1919 Calendar."

He said the reason he had approached this subject at all was that he thought the time was ripe—in fact, more than ripe—for that Council publicly identifying itself with calling attention to the immense importance which chemistry would have in the future commerce and industry of these islands. Chemistry had always been important, but unfortunately, compared with other countries, it had been more or less neglected in the United Kingdom, and they were all made rather painfully aware of that fact in the latter half of 1914, when they were suddenly cut off from their usual foreign source of supply of fine chemicals. The only thing really new in the first part of his notice of motion was, "Special stress will be laid on a competent knowledge of organic chemistry." He proposed the insertion of that sentence with a view of stimulating both examiner and candidate. He said examiner advisedly, because he found on referring to the Calendar just out that out of twenty questions set in 1917 only four referred to organic chemistry, and these merely touched the fringe of the subject. The first sentence of the regulation as it stood at present is, "The elementary laws of chemistry and physics, including chemical equations." What he proposed to insert covered that. The school course was what they examined the candidates in, and what they expected them to know. Therefore, why not tell the candidates that right away? It also covered in detail the course of organic chemistry, and also covered his proposed alteration in the end about laying stress on organic chemistry. Candidates for the Licence examination who had not already taken out these lectures might come to read his proposed regulation; and his proposed new sentence might, therefore, be regarded as a subtle advertisement for their own school. He hoped, now that he had drawn attention to the whole matter, that it would not be lost sight of, because chemistry would be of immense importance in the future. With regard to his proposal (*b*), it was probable that the course, excellent as it was, would admit of some slight improvements. He certainly could suggest some himself, but it is not within his province to do so, and he thought suggestions would come very much better from the Society's two experts in the matter—the professor and the examiner; and he proposed, therefore, that they be invited to express their opinions as to the advisability of making improvements in the course.

Mr. W. F. Wells asked why Dr. Barnes put his proposal (*b*) first. The carrying of it would mean the reconsideration of the suggestions in (*a*) and their possible alteration. Were would they then be? He thought the proper way would be to move the second part of the resolution first,

and if that is carried a report could then be obtained and the first part of the resolution moved.

Dr. Barnes said he was sorry he had not made himself quite clear. Proposition (*b*) does not mean in the slightest the alteration of proposition (*a*). It merely suggests—and it might not be at all necessary—the alteration of the syllabus of the school course; and supposing that that syllabus is altered, it would not alter the wording of proposition (*a*)—"General and pharmaceutical chemistry. The course as set out in the syllabus of the Society's School of Chemistry."

Mr. W. F. Wells said he had asked an expert in chemistry to look over the syllabus, and he had marked certain matters which he thought it is absurd to have in it. It is absurd to expect a man to grasp all the subjects mentioned there. This expert said there are very few chemists who would pass an examination in them.

Mr. Victor E. Hanna seconded Dr. Barnes's resolution.

The President said that before the introduction of the present syllabus there had been no syllabus for the School of Chemsitry at all, and the late Professor Tichborne and himself were directed to draw up a syllabus. They consulted the syllabuses of a great many schools of chemistry—pharmaceutical and otherwise; they had to consider their limits—their school was not a general school of chemistry—and after a good deal of consideration they prepared the present syllabus. It is pretty comprehensive. He did not think that it is possible for their students to go deeply into organic chemistry. He quite saw that it is very useful. But they must have regard to the limits of time at their disposal, and to the capacity of their students to take it up in the time that they had. He was not in favour of adding anything to the syllabus at present.

Mr. W. F. Wells said Professor Tichborne always tried to teach their students what is really of importance from the pharmaceutical point of view and would be of use to them afterwards. A highly qualified chemist who had read over their syllabus expressed the opinion that it is absurd for them to think that a school could teach all these subjects, and he marked portions which he thought they should strike out. He thought it would not be wise to pass a resolution like that proposed by Dr. Barnes without very full consideration. He suggested that the matter be sent to the School Committee for consideration.

Dr. Barnes expressed his desire that the resolution should be referred to the School Committee, and it was agreed to do so.

Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1917, p. 220.

(*From "The Trade-marks Journal," March 6, 1918.*)

"Bergercide"; for chemicals (2). By L. Berger & Sons, Ltd., 201 Morning Lane, Homerton, E. 9. 381,729.

"Akuka Brand Tonic"; for a medicine (3). By G. M. Sutter, 5 Castle Street, Liverpool. 377,167.

"Arrocene"; for medicinal chemicals (3). By W. Minter, 18 Berners Street, W. 1. 380,972.

"Pacogen Brand Soporific"; for a medicine (3). By G. Steven, 118 Chorlton Road, Brook's Bar, Manchester. 380,996.

"Krempo"; for a cream of tartar substitute (42). By W. Dobbin & Co., Ltd., 45 and 47 North Street, Belfast. 381,037.

"Honene"; for goods (42). By Linton, Hubbard & Andrew, 72-75 Fenchurch Street, E.C. 3. 381,063.

"Salvavida"; for food-tablets and thirst-quenchers (42). By D. H. Bernard and F. H. Stafford, 72 Mark Lane, E.C. 3. 381,079.

"Bitartol"; for cream of tartar substitutes (42.) By A. Prescott, 1 Oswald Street, Hulme, Manchester. 381,482.

"Twinko"; for goods (42 and 48). By Vinolia Co., Ltd., 37-38 Upper Thames Street, E.C. 4. 381,230/1. (Associated.)

"Janesol" under circular picture of man and word "Health"; for tooth-pastes (48). By F. Jones, 6 Brunswick Street, Carlisle. 380,761.

"Rustic Posie"; for perfumery, etc. (48). By Yardley & Co., Ltd., 105 Carpenter's Road, Stratford, E. 15. 381,216.

"A-Aye Brand" over device of letter A ("A-Aye Brand" disclaimed); for perfumery, etc. (48). By Warrick Bros., Ltd., 6 Nile Street, City Road, N. 1. 381,509.

(*From "The Trade-marks Journal," March 13, 1918.*)

"Pharos" and device; for all goods (2). By W. Cooper & Nephews, Maryhill, Glasgow. 378,735. (Associated.)

"Phosatone"; for medicinal chemicals (3). By Page Woodcock, Ltd., King Henry's Walk, London, N. 1. 378,317.

"Dentamo"; for dental anæsthetics, etc. (3). By V. V. J. Andresen, 21 Bredgade, Copenhagen. 380,542.

"Zenthol Brand Medicine"; for a medicine (3). By The Veno Drug Co., Ltd., Chester Road, Manchester. 381,095.

"Rectosol Brand Hæmorrhoid Remedy"; for medicinal chemicals (3). By Société Pharmaceutique de Louvre, 53 Chandos Street, Charing Cross, W.C. 2. 381,551. (Associated.)

"Sugoma"; for all goods (42). By Morris & Jones, Ltd., 82-86 Whitechapel, Liverpool. 381,282. (Associated.)

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Trade Notes.

Honey Supplies.—Spring & Co., Ltd., Brigg, announce that limited supplies of packed honey are now available.

Pears' Soap.—The new price of Pears' soap is 6*d*. The lower price, which was given in one of the advertisements in last issue of A. & F. Pears, Ltd., was an error.

Thorium and Cerium.—A large quantity of thorium and cerium nitrates is offered for sale by tender by the Admiralty Marshal. Particulars are given in an advertisement in this issue.

Rubber-factory.—Oylers, Ltd., 35 New Cavendish Street, London, W. 1, announce that they have opened a new factory for the manufacture of dipped rubber goods, such as bottle-teats and valves, soothers, and rubber gloves.

Rodine.—Mr. Thos. Harley, chemist, Perth, manufacturer of Rodine rat-poison, gives in his advertisement a copy of a striking testimonial—in the vernacular—which has been received regarding the efficacy of the poison. Mr. Harley tells us this is only confirmatory of the opinions expressed by many other users of Rodine.

A. & H. Revised Prices.—The revised prices for "Allenburys" Milk Foods Nos. 1 and 2, "Allenburys" Diet, "Allenburys" jujubes and pastilles, and "Allenburys" medicated throat pastilles, which take effect from March 18, are given in the advertisement in this issue of Allen & Hanburys Ltd., 37 Lombard Street, London, E.C. 3.

Potter's Asthma Cure.—Potter & Clarke, Ltd., 60-64 Artillery Lane, London, E., inform us that they have been obliged to increase the prices for Potter's asthma preparations after March 25 as follows: Potter's Asthma Cure and Cigarettes, 1*s*. 6*d*. retail (14*s*. per doz. wholesale); Potter's Asthma Smoking-mixture, 9*d*. per tin retail (7*s*. per doz. wholesale).

Cheese-supply.—Keeps, Ltd., 24/26 Holborn, London, E.C. 1, are specialising in cheese-rennet, lactic ferment (pure culture starter), cheese-colouring, etc., and with a view of assisting the efforts of the Board of Agriculture to increase the cheese-production are prepared to supply any of our readers with copies of the Board's Food Production leaflets dealing with cheese-making, etc.

Benzoates.—The manufacture of synthetic benzoic acid and sodium benzoates is now being carried on in this country on a manufacturing scale. We have received samples of the products made by Benzoates, Ltd., 76 Finsbury Pavement, London, E.C. 2, which are in every way satisfactory, and which answer the requirements of the British Pharmacopœia. We congratulate the company on adding still another group of fine chemicals to the long list of British-made chemicals, which we hope in future will replace the Hun products in the world's markets.

Concentrated Orange-flower Water.—Lautier fils, perfumers, Grasse, send us a sample of their superconcentré d'eau de fleurs d'oranger—a concentrated preparation for making orange-flower water. It should not be confounded with double or triple strength orange-flower water, because in this case a 20-c.c. phial is sufficiently concentrated to make 10 to 15 litres of orange-flower water. The object of the new preparation is to save packages and freight, which in the case of the dilute product are particularly bulky and heavy. We find that when diluted the "superconcentré" makes a full-flavoured water, which appears in every way to be equal to the simple distilled water.

Information Department.

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

28/73. "Lenox" bottle-brushes.
29/51. "New Day" shampoo-powders.
29/50. Narvoy's embrocation.
29/21. Owen's oil.
31/31. Dent's toothache-gum.
21/55. Sulphogenol.
30/5. Poroplasticene, for bacteriological purposes.
34/60. Corn extirpator: Cox's patent.

INFORMATION SUPPLIED.

Bazin's depilatory, 19/18
Beltine, 5/56
Citronnade, 171/49
Hansen's junket tablets, 9/61
Herbs, medicinal, 3/66
Johnson's magic liniment, 21/34
Keene's corn cure, 215/43
"Peroxydol," 199/49
Sodium silicate, 9/70
"Solarine," 2/23
"Sozodont," 1/42
"Thyroidine" tablets, 235/42
Tin peroxide, 258/34
"Tiz," 196/24
Winslow's soothing-syrup, 20/12
"Yadil" antiseptic, 12/13

Observations and Reflections.

By Xrayser II.

The Appointment of a Secretary

appears to be regarded by the Council as affecting itself only, and if this functionary were merely Secretary to the Council, and had none but narrowly secretarial duties, it might be so. But even then, as the Council is ostensibly a representative body, a little more openness might have been expected in such a matter, especially at a time when such various views and interests are vitally at stake. But the Secretary is Secretary to the Society, and though the choice is left to the Council it ought, in equity to be made in the spirit which that fact suggests; every endeavour ought to be made to secure not only an efficient but a popular man for the post. There have, as you say, been four previous Secretaries, or, counting from the inception of the Society, five, for Messrs. Robert A. Farmar and George Walter Smith were for a few months joint Honorary Secretaries. They had both taken a foremost place in the opposition to the Bill of Mr. Hawes which was the occasion of the formation of the Society, and when in December 1841 the Society acquired a local habitation at 17 Bloomsbury Square, Mr. Smith was chosen as its first salaried Secretary. He was at the time an assistant to a wholesale druggist. After the passing of the Act of 1852 he was appointed Registrar too, and on his retirement, in consequence of a failure of health in 1857, Mr. Elias Bremridge was appointed to both offices. These appointments, made in circumstances so widely different from ours, cannot be regarded as precedents in any restrictive sense, nor can the succession of Mr. Richard Bremridge, as "Amurath to Amurath succeeds." Even at this late hour the Council would be well advised in taking the whole Society into its confidence and inviting an open competition for the post.

The Ministry of Health Bill

has been postponed. What I said in October last about Mr. Lloyd George's announcement that it was not ready for introduction then applies equally to the present situation. The Bill bore the marks of haste, it did not even pretend to be final, and it was in many ways imperfect as far as it went. We can afford to wait till next year, or longer, for a better measure, and it is to be hoped that the jealousies between the Departments which are largely responsible for this postponement may in the meantime be allayed. In any case we chemists ought to agitate for more consideration in the next Bill than we got in this.

Mr. Shaw's Indictment of the Doctors

is concluded in the March number of "The English Review," and this last instalment is even more interesting to us chemists than the others, for it deals with aspects of the subject which are of more direct importance to ourselves. The regulations for the sale of poisons come first under the lash of Mr. Shaw's wit. The chief point for attack is the necessity of a doctor's prescription before the mildest dose of certain drugs can be obtained for the relief of acute suffering. A man cannot (he says) purchase the millionth of a grain of morphia without paying a doctor to prescribe it, yet he has no power to compel one to do so at a statutory price, and is therefore liable to be "blackmailed" to any extent. More than that "The oil-shops sell every day a ton of rank poison for every pound that is dispensed by the pharmacies. A criminal on his way home from serving his last sentence for manslaughter at Portland can buy a quart of of muriatic acid, though the gaol chaplain may not buy a spoonful of laudanum. The only reason is that muriatic acid is kitchen stuff, and laudanum is doctor's stuff!" (It is not necessary to point out the exaggeration here.) He imagines a case in which a doctor will not prescribe because the applicant is under treatment by an osteopath, the consequence being that some as yet undetected Dr. Crippen has to be bribed to write an order for the opiate. From this subject he diverges to that of the

Panel Doctor

who is not forbidden to invite tips from his patients, and does it by putting up a placard in his surgery to the effect that better advice can be had by offering him a two-and-sixpenny fee. Then follows a lengthy exposure of what he considers the farce of prophylaxis by inoculation, and the article concludes with a list, to which no reasonable exception can be taken, of reforms necessary in the methods and constitution of the General Medical Council. The article would have been more convincing, though much less amusing, had it been written with more restraint; but Mr. Shaw does show some real ground for his antagonism to the profession, and the anomalies of the poisons regulations are such as even his genius for extravaganza can hardly exaggerate. In his attack on inoculation as a substitute for sanitation he takes an unholy joy in the fact that Pasteur, the modern apostle of the cause, was an "unqualified" man, and cites Sir Almroth Wright in support of the notion that it does not matter much what one is inoculated with if only one is inoculated with something!

Hydrochloric Acid

was well chosen by Mr. Shaw in illustration of the absurdities of the Poisons Regulations, for, with the exception of carbolic acid, no single drug was responsible for so many deaths in 1916. An examination of the statistics you gave last week shows that more than half the deaths resulting from accident or carelessness in that year were due to non-scheduled poisons or "poisonous" substances, as well as more than a fourth of the suicides (I am taking no account of the "kind not stated" cases). The fact you note, that the figures for arsenic and strychnine, which are substances the access to which in agricultural areas is relatively easy, have not decreased, seems to confirm the impression one naturally gets from the facts I have stated, that difficulty of access is an effective check on both accident and wilful misuse. The drop in veronal cases is most significant if compared with the evidence in support of the plaintiff in the case of Yorke *v.* the Yorkshire Insurance Co. We may conclude that as this drug becomes better understood it is found to be less dangerous.

That Merry Monarch, Charles II.,

among his other very human qualities, had from his youth up a decided distaste for physic. When, in his ninth year, he had an attack of measles, his recalcitrancy was such that his royal mother, who was not with him at the time, had to admonish him in her bad English as follows: "Charles, j am sore [sorry] that j must begin my first letter with chiding you because j heere that you will not take phisike. I hope it was onlei for this day, and that tomorrowe you will doe it, for yf you will not j must come to you and make you take it." Whether this had the desired effect or not I cannot say, but not very long afterwards we find Charles writing to his governor, the Earl of Newcastle: "My Lord, I would not have you take too much phisicke, for it doth all waies make me worse, and I think it will do the like with you." His latest apologist, Mr. H. M. Imbert-Terry, cites in excuse of his refractoriness a "nauseous mixture" prescribed for one of his mother's family by the famous French physician, Héroard, which is by no means an unfavourable specimen of the potions of that day. It consists of senna, rhubarb, cassia-pulp, and four or five other herbal ingredients, flavoured with syrup of lemon, citron, conserve of violets, and raisins of Corinth.

Platinum Substitutes.—Both the high price and the difficulty of obtaining supplies of platinum have led to the introduction of various substitutes, such as "palau," a gold-iridium alloy, which has proved very effective for laboratory use; "rhotanium," a gold-palladium alloy, which is satisfactory for all chemical purposes except for use with hot concentrated nitric acid or as electrolytic anodes, and is even better than platinum as a setting for jewels; and "amaloy," an alloy of nickel, chromium, tungsten, etc., which is highly resistant to acid and atmospheric corrosion, and very serviceable in dental work and for surgical instruments. Tungsten appears to have displaced platinum as the material for the targets of *x*-ray tubes.—*Nature.*

BRONCHITIS, ASTHMA, COUGHS, INFLUENZA, &c.

"SANITAS-INHALANT"

Is now being advertised, and should be stocked by all Chemists.

2s. 6d. BOTTLES.

Most Effective Remedy for all Lung and Throat Affections.

The SANITAS CO., Ltd., Limehouse, LONDON, E. 14.

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JAS. BURROUGH, LTD.,

D.1. Cale Distillery, Hutton Road, LAMBETH, S.E. 11.

Notice of Revision of Prices

FOR THE

"Allenburys" Milk Foods Nos. 1 and 2,
The "Allenburys" Diet,
The "Allenburys" Jujubes and Pastilles,
The "Allenburys" Medicated Throat Pastilles.

With the cost of all materials, &c., constantly increasing, we are compelled to advance the prices of the above-mentioned products as follows:—

THE "ALLENBURYS" MILK FOODS Nos. 1 & 2, AND DIET.

Size of Package.	Min. Ret. Price.	Gro. Whlsle. Price.
2/3	2/3	23/3 per doz.
4/5	4/6	46/6 ,,

THE "ALLENBURYS" JUJUBES & PASTILLES.

Size of Package.	Min. Ret. Price.	Gro. Whlsle. Price.
4 oz. 1/4	1/4	13/- per doz. boxes
8 oz. 2/6	2/6	24/3 ,, ,,
1 lb. 4/9	4/9	46/2 ,, ,,

N.B.—When dispensed loose the minimum retail price to be 4½d. per oz. The 2-oz. sized tin is discontinued.

THE "ALLENBURYS" MEDICATED THROAT PASTILLES.

3 oz. 1/4	1/4	13/- per doz. boxes.
8 oz. 3/6	3/6	34/- ,, ,,
1 lb. 6/6	6/6	62/6 ,, ,,

N.B.—When dispensed loose the minimum retail price to be 6d. per oz.

THE "ALLENBURYS" MEDICATED THROAT PASTILLES (containing Cocain).

3 oz. 1/6	1/6	14/7 per doz. boxes.
8 oz. 3/9	3/9	36/5 ,, ,,
1 lb. 7/-	7/-	68/- ,, ,,

N.B.—When dispensed loose the minimum retail price to be 8d. per oz.

Due notice of these changes will appear in *The Anti-Cutting Record.*

These prices take effect on and from March 18, 1918, and are subject to our usual discount.

ALLEN & HANBURYS LTD.
37 LOMBARD STREET, LONDON, E.C. 3.

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FRENCH AND ALL FOREIGN
Proprietary MEDICINES

Wilcox, Jozeau & Co.
49, HAYMARKET, LONDON, S.W.
Export and other Buyers should apply for a List.
Foreign prescriptions dispensed for Pharmacists.

NOTICE TO THE TRADE

ADVANCE IN PRICE OF

"PYLITNA" POWDERS.

We hereby give notice that the Retail price of "PYLITNA" Powders, Ointments and Tablets is

5/- per box.

After deducting extra sixpenny duty stamp, old stock will show, at 5/-, a retail profit of 2/7½ per box, if bought on our best co-operative terms.

Special Wholesale Terms for Co-operation.

G. S. MUMFORD & SONS, Farringdon Rd., LONDON, E.C.1.

Sugar is not required—if

Fletchers' Concentrated Liquors

are used in place of the corresponding Syrups.

FLETCHER, FLETCHER & Co., Ltd., HOLLOWAY, LONDON, N.

Editorial Articles.

Export of Proprietary Articles.

We referred last year (*C. & D.*, December 15, p. 42) to the requirement of the War Trade Department that exporters of compound articles were required to state to the Department the exact composition of these goods if it were desired to obtain export licences. We pointed out the serious objections to this regulation, because it meant that the whole goodwill of the proprietors of compounded articles would be at the mercy of any of the employés of a Government Department. The view taken by the War Trade Department was that by no other means could the Department find out whether the article it was desired to export contained ingredients the export of which was prohibited. The Proprietary Section of the London Chamber of Commerce has since had the matter in hand, and it is satisfactory to be able to state that an agreement has been arrived at by which the regulation is to be modified in the interest of traders. The Director of the War Trade Department now notifies that when any person desires to export any compound goods and claims that they are manufactured from a secret formula which is carefully guarded, and that the disclosure may injuriously affect his trade rights, it shall be a sufficient compliance with the notice if the trader makes a statutory declaration with regard to the goods disclosing particulars to the effect following:

(1) The name of the ingredients, if any, which are prohibited and the percentage proportion by weight or volume as the case may be of the same:

(2) The names of the other ingredients which he is willing to disclose:

(3) The number of the ingredients not disclosed, stating the percentage proportion by weight or volume as the case may be which such undisclosed ingredients bear to the whole product:

together with a statement that the declarant has carefully examined all prohibited lists up to date and that none of the undisclosed ingredients is prohibited. This declaration will only be accepted upon an undertaking that a further examination of all prohibited lists issued subsequently to the date thereof will be made from time to time, and that another declaration will be given in the event of any further information affecting the goods either by any addition to or removal of the prohibitions being disclosed thereby. It should be observed, however, that it is desirable that exporters should not claim secrecy unless it is really necessary, so that the work of the War Trade Department may be facilitated so far as possible. There is a large percentage of compound articles in which no secret is made of the constituents of the article. In many cases these are given on the label or are published in "Pharmaceutical Formulas" as "known, admitted, and approved" remedies under the Medicine Stamp Acts. In those cases in which secrecy is important the new regulation will permit the applicant for an export licence to avoid giving away a really valuable trade secret. This was the point of the original objection, and it has now been fairly met by the Government Department concerned. The forms of the statutory declaration can be obtained upon application to the Secretary of the War Trade Department, 4 Central Buildings, Westminster, London, S.W. 1.

Japanese Insect-flowers.

It is common knowledge that since the war deprived us of supplies of Dalmatian insect-flowers we have been dependent on Japan as practically our only source, and, as might have been expected, the industry in that country during the past three years has made rapid progress, judging by the latest reports. It appears that the first plantations in Japan were laid down in 1885 from seed obtained from the genuine *Chrysanthemum cinerariæfolium* in Dalmatia, and the Japanese climate was found very suitable for its growth. The sale in Europe was, however, small until the outbreak of war, as the Dalmatian and Montenegrin flowers monopolised the market. Japan has, however, taken full advantage of the new situation created, and a much larger acreage has been planted, as in 1917 it is estimated that the crop has yielded over 4,000 tons, an increase of 100 per cent. over the 1916 crop. A considerable quantity of this outturn is exported, the United States being the principal consumer; then follow Britain and France. The latest figures available show that during the eleven months ended November 1917 the exports of insect-flowers from Japan to all destinations were approximately 24,560 cwt., against 13,410 cwt. in 1916 and 17,438 cwt. in 1915. In addition there was also exported 5,683 cwt. of insect-powder during the eleven months, compared with 6,612 cwt. and 2,604 cwt. for the respective periods of 1916 and 1915. In a report by the American Vice-Consul at Kobe it is stated that—

"In spite of the large crop, the prices of both flowers and powder have remained rather high, as the producers have been holding on to their supplies in the hope of a large demand from America and Europe. The ruling prices since September have been: Flowers, $25 per 100 kin (133 lb.), and powder, $27.50. While these are market prices, some growers and grinders have been forced to sell recently at considerably lower prices in order to obtain funds to meet their obligations. Consequently deals have been made lately at $17 per 100 kin for flowers, and at $19.50 for powder. In view of the great increase in the supply and the comparatively lax demand from abroad, the powder-buyers have been waiting for still better terms, expecting the price to fall to $18.50, or $19 per 100 lb. in the near future. These prices represent the first cost only, and do not include commissions or other charges."

The above prices are merely relative, and bear little comparison to what has to be paid for flowers on the London market, where fair stocks of these flowers are obtainable at from 150*s*. to 160*s*. per cwt. There are several large and trustworthy insect-flower growers in Japan who have a reputation to maintain for their produce, and it is to these that the principal business falls. We mention this fact because insect-powder lends itself so readily to adulteration, and this is frequently done by native grinders and the small Japanese dealers who wish to sell "at a price." There is room for improvement in the Japanese industry, most of the flowers shipped to this market being "open" or "half-open," which are regarded as inferior and about equal to the cheapest grades formerly received from Trieste.

Demobilised Undergraduates.

Since we put forward the suggestion (*C. & D.*, November 24, 1917, p. 42) that concessions should be made to assistants and apprentices whose chances of entering for the Qualifying examination for chemists have been adversely affected by the war, not much progress has been made on the practical side. The problem, however, is becoming much more urgent. We made definite suggestions in the *C. & D.* as to the means that should be taken to prevent these young men from suffering unnecessarily because of their patriotism. These means amounted to a modified examination, for which we believe the Pharmaceutical Society would have no difficulty in obtaining sanction. The proposed new by-laws which will make it possible to impose onerous curriculum conditions on these deserving young men seems to meet with little opposition from those whom it does not affect, whilst those whom it does affect are far too busy doing the country's work to put up any effective protest. It has been suggested that the Pharmaceutical Society should remit or pay the school-fees of all demobilised undergraduates, but it would be much simpler to frame a by-law for a modified examination on the lines of the "Modified Examination for Assistants under the Pharmacy Act, 1868," which as a schedule to the by-laws it is now proposed to delete. The schedule outlines a simple form of examination as follows:

Candidates will be examined in the following subjects:

Prescriptions.

Candidates will be required to read autograph prescriptions, translate them into English, render a correct translation of the directions for use, and detect unusual doses.

Practical Dispensing.

To weigh, measure, and compound medicines, write the directions in suitable language, finish and properly direct each package.

Materia Medica and Quality of Specimens.

To recognise the Pharmacopœia chemicals in frequent demand, and specimens of roots, barks, leaves, fruits, resins, and gums in ordinary use; the following plants, either in a fresh or dried state, or from plates: Belladonna, stramonium, hyoscyamus, conium, aconitum, digitalis, and sabina; also to estimate the quality of each specimen submitted, and its freedom from adulteration.

Pharmacy.

To recognise the preparations of the Pharmacopœia which are not of a definite chemical nature, such as extracts, tinctures, and powders, and give the proportions of the more active ingredients.

Candidates will also be examined in their knowledge of the law relating to the sale of poisons.

The chief point in regard to any concession to returned soldiers is that it must be real and not imaginary. The Council of the Pharmaceutical Society ought to use their utmost endeavours to help these undergraduates, most of whom have suffered considerably in health, whilst all have lost valuable time which would in civil life have been utilised in obtaining the qualification that, translated into money value, would have increased the holders' earning power.

Price of Saccharin Tablets.

Considerable dissatisfaction is evinced among retailers by the fact that Boots, Ltd., are now selling saccharin tablets to the public at what is said to be the controlled price of 1*s.* 3*d.* per hundred, whereas chemists have to pay 1*s.* 10*d.* wholesale. Boots, Ltd., however, are enabled through the facilities granted by the Government to manufacture their own saccharin, and probably these facilities are given on the understanding that certain prices are charged to the public. This is a matter which should be taken up by the Commission on Sugar Supplies, because it seems that not only is the wholesale trade paralysed, but the bulk of the retail chemists' shops of the country are now being prevented from disposing of their stocks.

Summer Time.

The Summer Time Act, 1916, as amended by the Time (Ireland) Act, 1916, provides that during the prescribed period in each year in which the former Act is in force, the time for general purposes is to be one hour in advance of Greenwich mean time. The Act provides that an Order in Council shall fix the period in each year when the time is to be advanced. An Order in Council was made on February 27 which fixes the prescribed period this year from two o'clock in the morning (Greenwich mean time) on Sunday, March 24, until two o'clock in the morning of Monday, September 30. The period this year is longer than in any previous year since the Summer Time Act has been in force. It is interesting to observe that this British custom is being adopted by other nations who have realised the simplicity of the method of utilising daylight more fully. The United States has fixed the period to commence on March 31, in France and Italy it began on March 9, in Holland it is to commence on April 1.

Foreign Trade in February.

The Board of Trade Returns for February show that our imports amounted to 99,053,831*l.*, an increase of 28,106,145*l.*, and exports to 39,099,481*l.*, an increase of 1,811,995*l.*, compared with February last year. Of the increase in imports 15,019,705*l.* was in raw materials mainly cotton), while oilseeds, oils, gums, etc., were 1,875,157*l.* more, the value being 7,024,252*l.* Articles wholly or mainly manufactured increased by 8,790,495*l.*, the contribution of chemicals, drugs, and allied goods being valued at 2,099,306*l.*, or 488,455*l.* more, the improvement covering quite a number of raw materials like sulphur, calcium carbide, saltpetre, tanning bark, myrabolans, and many unenumerated chemicals. Quinine imports were less, being 138,807 oz., against 230,398 oz. in February last year. On the export side chief interest centres in our shipments of chemicals, drugs, medicines, etc., which amounted to 1,713,185*l.*, an increase of 28,208*l.* over February last year, which is very satisfactory. Medicines and medicinal preparations were slightly less at 229,222*l.*, which is not surprising in view of the many necessary restrictions and shortage of freight. The copper-sulphate figures are good, being 5,375 tons, against 2,044 tons a year ago. Alkali products improved from 339,416 cwt. to 409,613 cwt., the chief expansion being in soda ash, of which 271,249 cwt. was shipped, or 11,873 cwt. more, but the values showed a decline.

Stick to the Title.

One of the arguments employed by the "professional" chemists who seek to obtain a monopoly in the title chemist is that the chemist and druggist of late years has shown a tendency to call himself a pharmacist or to use letters after his name. It will be remembered that when the Poisons and Pharmacy Act, 1908, made the term "pharmacist" open to chemists and druggists there was great haste shown in changing the word "chemist" in the names of local Associations to "pharmacist." A few of the Associations—four or five at the most—saw the danger of this move, but now it appears as if the Associations are becoming doubtful of the wisdom of disusing the legal designation which chemists receive on passing the Qualifying examination. We notice in the "Script" that the South-West London Association proposes to embody the word "chemist" in its title in place of "pharmacist." Another direction in which individual chemists might reconsider a present fashion is in regard to the letters "M.P.S." This practice also arose after the passing of the 1908 Act, and was fostered by the Pharmaceutical Council because, it was argued, if chemists can be induced to employ on shop labels and on facias the letters "M.P.S." after their names it will be practically impossible to drop the membership of the Pharmaceutical Society. Apart from the coerciveness of such an argument there is the better one that the public does not as a rule know what is meant by the letters, and still continues to call us "chemists."

Poison-sale Farragoes.

The Home Office in drafting the Cocaine and Opium regulation did not shine conspicuously in its knowledge of the poison laws of this country. Now we have the Board of Agriculture and Fisheries finishing up a well-meant leaflet (F. P. No. 32) regarding fruit-tree spraying with the following note :

"Lead arsenate and nicotine can only be obtained from firms licensed to sell poisons. If supplies cannot be procured from a horticultural sundriesman the local chemist should be asked to obtain them. In any case the 'Poisons Book' must be signed in compliance with the Sale of Food and Drugs Act."

This is a most amazing medley of nonsense for a Government Department to send out. After this display, that of Mr. Bernard Shaw in the "English Review" for this month is a comparatively mild misunderstanding of the law as to the sale of poisons. He writes :

"The existing schedules of poisons shall be supplemented by a schedule of specifics containing toxicologically negligible quantities of poison for use as anodynes, soporifics, and the like, purchasable by all customers without prescriptions; and freedom of purchase of all substances now scheduled shall be secured to persons known to the vendor as responsible citizens or able to produce satisfactory references and credibly to allege legitimate purposes; all restrictions to apply equally to the medical profession and to the laity."

At the present time cocaine and raw or powdered opium are the only poisons that may not be generally sold to the public, special restrictions being imposed on the sale of these two drugs for the period of the war. The Pharmacy Acts do not prohibit the sale to the public by chemists of morphine, veronal, laudanum, etc., but impose conditions which are those Mr. Shaw wishes to have introduced. There is a tendency on the part of many chemists to be over-careful in the sale of poisons, which is commendable, but which is exaggerated by a fear, in case of the accidental poisoning of the purchaser, of unjust aspersions by a Coroner, who is often a medical man and thinks it clever to browbeat chemists even when the requirements of the poison law have been carried out fully. Recently we came across a case where an over-careful chemist had refused to sell potassium ferricyanide to a photographer, under the mistaken impression, we gathered, that that chemical is poisonous or has its sale regulated by the Pharmacy Acts.

Business Changes.

James Marson & Son, chemists, Stafford, have closed their branch at Marston Road owing to depletion of staff.

Mr. W. J. Gardam, chemist and druggist, has purchased the business of Mr. T. Salthouse Welch, Pecker's Hill Road, Sutton, St. Helens.

Mr. Edward J. Draper, chemist and druggist, late manager for Mr. R. Needham, chemist, Blackpool, has purchased the business of Mr. F. Clarke, New Tredegar.

Mr. C. Herbert Thomas, chemist and druggist, Exmouth, has purchased the business of Mr. S. G. Tydeman, Knightstone Pharmacy, Weston-super-Mare, which he will carry on in his own name.

Mr. Frederick Rivers, late Christy Strong, fly-paper manufacturer, Reading, has suspended his business as his premises have been taken for Government purposes. Due notice will be given when the business is restarted.

Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

Education Bill.

This Bill was read a second time on March 18 and committed to a Committee of the whole House.

Linseed Oil.

Sir H. Nield asked the Parliamentary Secretary to the Ministry of Food on March 19 why no linseed oil has been released for the manufacture of veterinary medicines, although on February 28 it was stated that immediate grants would be issued.

Mr. Clynes, in reply, said unavoidable delay in the completion of the arrangements for supplying linseed oil for veterinary purposes made it impossible for these forms to be issued before March 12. In the meantime, however, temporary arrangements were made whereby the local Oilseeds Supply Committees provided supplies of oil for this purpose in cases of urgent necessity.

Sir H. Nield asked the Parliamentary Secretary to the Ministry of Food who is responsible for the decision that the use of linseed oil for the purpose of the manufacture of paint, varnish, and linoleum is of greater national importance than for the treatment of cattle, whether individually or for food-cake, by farmers and stock-breeders; when was such decision arrived at; and upon what ground is it justified.

Mr. Clynes: No such decision has, in fact, been taken.

Beet Syrup.

General Croft asked the President of the Board of Agriculture on March 13 whether he considers that sugar syrup for making jam can easily be procured from beetroot without any elaborate factories or machinery; and whether anything has been done to encourage the growth of sugar-beet for this purpose.

Mr. Prothero replied that he is advised that it is doubtful whether a satisfactory syrup for jam-making can be procured from beet by ordinary domestic processes.

General Croft further asked if it is not the fact that, although this process is not an easy one, it has been proved by private individuals that a great deal of advantage can be obtained by the ordinary individual who grows it by the use of it as sweets and other forms of food.

Mr. Prothero replied that the question is a chemical one, which he did not feel very competent to give an opinion on, but apparently in the process there is a certain quantity of salt, which is said to be deleterious to consumption.

[General Croft appears to have in mind the process which Mr. A. Vernon Harcourt, Vice-President of the Chemical Society, communicated to "The Times." The recipe is as follows:

Cut off most of the green top of the beet and wash without breaking the outer skin. Boil for an hour, more or less, according to the size of the beet. Remove the rest of the top and the outer skin, which now comes off easily, with the fingers. Weigh out one pound. Scrape each beet in turn with a vegetable grater. The heap thus formed must be handled lightly so that the little strips may remain separate. Heat two and a-half pints of water to boiling in a saucepan about six inches across and drop the beet into it. Heat again and boil gently for half an hour. Keep the cover on, guarding against frothing over. Filter the contents through a jelly-bag and squeeze them, collecting the syrup in a bowl. Repeat this operation; or take two pounds of beet and four pints of water. The five pints of weak syrup got thus will be acid and must be made slightly alkaline. A thimbleful of bicarbonate of potash dropped into the syrup effects this. Return the liquid to the saucepan and heat to boiling. At first there is frothing. When this is past boil strongly, with the saucepan uncovered, till half the water has boiled away. Take the temperature with a cook's thermometer and let it rise to 217° Fahr. It is then to be poured while still hot into a wine bottle which has been heated with water or in the oven to a similar temperature. Cork well. The syrup is then sterilised and will keep. A dessertspoonful is equal to a lump of sugar.

If required for use in tea or coffee the syrup is further purified by the addition of a little solution of potassium permanganate.]

Nyasaland Strophanthus.—The exports from Nyasaland during 1916-17 were 22,564 lb., valued at 1,178*l.*, compared with 434 lb., valued at 221*l.*, in the previous year.

Cooper & Co., chemists and druggists, 56 Bentinck Street, Calcutta, have been appointed aërated-water manufacturers to H.E. the Earl of Ronaldshay, Governor of Bengal.

Canning Fruit and Vegetables.—The Board of Agriculture and Fisheries has issued Food Production Leaflet No. 34, which describes in detail the process of canning fruit and vegetables. An apparatus for the purpose is supplied by the Food Production Department, 72 Victoria Street, London, S.W. 1.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

ENGLAND.

Birmingham.—At the meeting of the Pharmaceutical Committee on March 19, it was decided to suggest to the Panel Committee the desirability of reverting to the old formula for linimentum album in the B.H.I. Pharmacopœia during the war, and meanwhile to recommend chemists to dispense the B.P.C. liniment as ordered. The report of the Checking Bureau on the December prescriptions shows that a satisfactory degree of accuracy in pricing is maintained. The Drug Account for 1917 includes the following items (comparative figures for 1916 being added in parentheses): Number of prescriptions, 892,378 (920,837); average drug-price per prescription, 2.275*d.* (2.1*d.*); average dispensing-fee, 2.945*d.* (2.97*d.*).

Blackburn.—At the meeting of the Insurance Committee on March 12, a return was presented showing that during 1917 142,133 prescriptions were dispensed at a total cost of 3,615*l.* 8*s.* 3*d.* The cost of ingredients was 1,888*l.* 12*s.* 1*d.*, and the total dispensing-fees were 1,726*l.* 16*s.* 2*d.* The average total cost per prescription was 6.10*d.*, the average ingredient-price 3.19*d.*, and the average dispensing-fee 2.91*d.* The Committee has sanctioned a new arrangement for chemists open for the dispensing of drugs, etc., on Thursdays and Sundays. Three chemists are to be open on these evenings from 6.30 to 7.30. All other chemists are at liberty to keep open on these days, as they may deem advisable, but if closed they are to display a notice intimating where prescriptions can be dispensed.

Derbyshire.—The Insurance Committee, at its meeting on March 18, decided, after a conference with the Panel Committee, to surcharge certain doctors for excessive prescribing in 1914. The total sum involved is 156*l.*, the highest individual amount being 50*l.* The Pharmaceutical Committee declined the invitation to join in the conference, as the question of making good the deficiency does not come within its purview.

Essex.—The Essex County Pharmaceutical Committee met on March 14, Mr. Matthews presiding, when the Checking Bureau's reports for August, September, October, and November were received and adopted. It was agreed that the pricing showed a satisfactory degree of accuracy. The Derbyshire Pharmaceutical Committee's resolution dealing with rural areas was discussed, and, it being felt that this did not quite meet the conditions existing in Essex, it was decided to frame resolutions to meet these conditions.

Portsmouth.—The Pharmaceutical Committee's report for 1917 states that the prescriptions dispensed numbered 108,361, compared with 131,930 in 1916. The total cost was 2,923*l.* 16*s.*, against 3,077*l.* 7*s.* 2*d.* in the preceding year; the average cost per prescription being 5.70*d.* (5.58*d.* in 1916), average ingredient-price 2.74*d.* (2.60*d.*), and average dispensing-fee 2.96*d.* (2.98*d.*). The Committee considers that the checking is adequately carried out, and that chemists receive proper payment of their accounts.

SCOTLAND.

Hamilton.—The Hamilton (Lanarkshire) Insurance Committee has adopted the Pharmaceutical Committee's suggestion that poison-bottles shall not be chargeable to the Drug Fund in future. It has also been decided that no doctor shall draw upon the emergency and stock supplies list to a greater sum than 0.5*d.* per annum per insured patient on his list without furnishing a satisfactory reason for doing so. The number of prescriptions dispensed in the area during 1917 was 15,830, the cost aggregating 558*l.* 7*s.* 6*d.* and averaging 8.48*d.* per form, as against 19,547 prescriptions in 1916, costing 733*l.* 7*s.* 5*d.* and averaging 8.95*d.* per prescription.

Coltsfoot is used as a tobacco-substitute in Germany.

Mutton-bird Oil.—The sooty petrel, known in Australasia as the mutton bird, spends nine months of the year in the Antarctic, and consequently must be so constituted as to stand extreme degrees of cold. The birds yield an oil which it is suggested ("British Medical Journal," I., 1918, p. 174) would be a valuable addition to the medicinal oils at the present time. Lieutenant-Colonel J. S. Purdy states that when he was at Zeehan, Tasmania, in 1910 a local chemist sold an emulsion of mutton-bird oil and almond oil which had earned a considerable repute for the treatment of bronchitis and phthisis.

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Associations' Winter Session.

Bradford.—The Bradford Pharmacists' Association met at the Central Café on March 14, Mr. W. Sutcliffe presiding, and resolved to support the Face-values Committee. A resolution was passed expressing appreciation of the services of Mr. Woolcock during his secretaryship of the Pharmaceutical Society and good wishes in his new sphere of work. Mr. Thorpe, Hon. Secretary of the Bradford Chemists' Alliance, Ltd. (the mutual supply company established by the Association), then read the papers written by members with a view of increasing the business of the Alliance. Seven papers were contributed under *noms-de-guerre*, and the voting resulted in the prizes being awarded to Mr. D. S. Priestley and Mr. W. Appleyard. Mr. Priestley's paper urged concentration on goods for which chemists ordinarily find a good demand at little selling cost, put up in a distinctive package with the Alliance label—"kitchen remedies," such as olive oil, malt extract, composition essence, etc., which chemists do not manufacture, and in which no proprietary rights are claimed. Mr. Appleyard's contribution advocated the development of prompt delivery of goods by means of the tramway-parcels system—one definite daily delivery to conserve energy—and a vigorous propaganda among chemists, pointing out the advantages of the Alliance as a means of quickly obtaining supplies. The remaining papers contained suggestions mainly on "Ucal" lines, and all were criticised and discussed by the members present.—A private meeting was afterwards held by the members concerned in the new scheme for the employment of a *locum-tenens* during the summer months, for the purpose of considering several applications for the post.

Chesterfield.—A meeting of the Chesterfield and District Pharmacists' Association was held on March 12 at the Sun Inn, Mr. H. Smith (Claycross) presiding. Mr. J. H. Toplis was elected as chemists' representative on the War Relief Committee, in place of the late George Wright. It was resolved to do all that could be done to help on the movement for the protection of proprietaries at face-value. A paper was then read by Mr. Toplis, entitled *The Evolution of the Pestle and Mortar*, which was much appreciated. The Chairman, in proposing a vote of thanks to Mr. Toplis, said he hoped that papers by members would become a monthly feature at the meetings.

Ealing.—At a meeting of the Ealing Pharmaceutical Association on March 19, Mr. A. A. Senior (Vice-President) in the chair, a short address on *The Drug Markets* was given by Mr. F. C. Goodall, Ph.C., Editor of "The British Trade Review." He explained the various processes through which typical drugs passed from the country of production to the chemist's shop, and showed how in the process of changing hands the many charges which had to be added to the value of the drugs at the port of shipment before they reached their ultimate destination often rendered comparison between the price at the source and the price in London impracticable. He dealt with a number of drugs the market position of which has been of peculiar interest during the past few months. After the address many questions were asked and answered, and a vote of thanks to the speaker terminated the proceedings.

Essex.—The Committee of the County of Essex Pharmaceutical Association met on March 14, Mr. England presiding, when it was decided to support the recommendations of the face-value meeting and to levy 1*s*. per member towards the expenses of the movement. It was resolved to support the candidature of Mr. Kirkpatrick for the forthcoming Council election, and to invite all members to vote for him. The annual meeting is to be held on April 11.—The West Ham, East Ham, and Metropolitan Essex District Association of Pharmacists, in lieu of the annual dinner, held a social evening in the Drawing Room of the Arundel Hotel on March 14, which was attended by over sixty members and friends. The President (Mr. F. Walter Gwinn) occupied the chair. In place of toasts, two resolutions were proposed and carried with acclamation—one, moved by Alderman Hurry, J.P., of West Ham, "Success to the West Ham, East Ham, and Metropolitan Essex District Association of Pharmacists"; and the other, "Success to the West Ham Insurance Committee," moved by Mr. Kirkpatrick. Alderman Hurry, in moving his resolution, complimented the Association on its organisation, and hoped the presence of ladies would be a feature of the Association functions in future. The President replied, and appealed for support of the Orphan Fund. Mr. Kirkpatrick spoke of the good feeling which existed between the pharmacists of West Ham and the members of the Insurance Committee, as evidenced by the presence of the Chairman (Mr. Gay), Alderman Hurry, and Mr. Clark. Mr. Gay, in the course of his reply, said he hoped the Insurance Act would be amended so that there would be adequate representation of pharmacists on the Insurance Committees, and that the present happy feelings would continue. During the evening Mrs. Gwinn and Mrs. Desmond presided at the piano; dances were given by Miss Mabel Millar and Miss Maris Clair; songs by Misses Potter and Watson and Mr. Frisby; recitations by Messrs. Keith, Soper, and Cook; and cornet solos by Mr. Saranoff. In conclusion, the President announced that 3*l*. 11*s*. was collected on behalf of the Orphan Fund.

Hampshire.—The Hampshire Pharmacists' Association met at the offices of the Insurance Committee, Winchester, on March 13, Mr. C. S. Davies (President) in the chair, when Mr. Smith opened a discussion on *Proprietary Articles and their Profits*. After reference to the discussions on this subject that had taken place in kindred Associations, he dealt with it under three heads—(1) face-values, (2) profits, and (3) method of procedure. He pointed out the advantages both to the retailer and wholesaler in having fixed prices, and that all must press for the principle of "the price on the package." Pharmacists should refuse their good will to unprotected articles. The speaker showed how the placing of certain articles on the P.A.T.A. had won the good will of the pharmacists throughout the country with great advantage to the manufacturer. Their motto should be "No profit, no good will." He advocated a combination of local Associations with representatives of the limited companies to approach the manufacturers of unprotected articles. In the discussion following, in which practically all the members present took part, the opinion was generally expressed that "face-value" was of advantage to all parties concerned. With reference to the profit, while all agreed that larger profits were necessary, various views were expressed as to how much this profit should be. At the end of the discussion resolutions were passed supporting the action of the Face-values Committee in the endeavour to obtain the protection of the retail prices of patent and proprietary medicines at face-value, and expressing the opinion that the profit on patent and proprietary medicines (other than foods) should not be less than 33⅓ per cent. on cost, yielding 25 per cent. on turnover. A vote of thanks to Mr. Smith was proposed by the President, and carried unanimously.

Harrogate.—The Harrogate and District Pharmaceutical Association met on March 14, Mr. J. W. Harper presiding, when Mr. F. Pilkington Sargeant (member of the Council of the Pharmaceutical Society) addressed the members on *Pharmaceutical Reconstruction*, dealing with the educational policy of the Pharmaceutical Society and advocating the continuance of a fairly wide entrance examination, making the Preliminary examination, as the status and remuneration of pharmacists increased, if possible, on a level with the Matriculation. He showed that the business and educational side of pharmacy cannot be divided, and reviewed the present pharmaceutical situation very thoroughly, after which for nearly an hour he was bombarded with questions on pharmaceutical problems. A few of the members questioned him very closely concerning the appointment of the Secretary of the Pharmaceutical Society. He stated that his views were the same as they had been ever since he had been a member of the Council—that no one but a qualified chemist should be appointed as Secretary of the Society, and that the Secretary should devote his whole time to the work. When pressed to pledge himself that he would not vote for the appointment of a Secretary unless the position was advertised openly in the pharmaceutical Press, he was unable to agree to do so. On the motion of the President, it was agreed to support Mr. Sargeant's candidature at the forthcoming Council election.

Hull.—At the monthly meeting of the Hull Pharmacists' Association on March 19, a letter was read from Mr. Lewenstein, the Hon. Secretary of the Hull Farm Colony for After-care of Tuberculosis Patients, asking for a subscription. A minimum subscription of 2*s*. 6*d*. per member was agreed upon. Mr. Bennett read a paper on *Thoughts on Art*, and illustrated his remarks by specimens of his own handiwork and by some examples of working in coloured crayons. A vote of thanks was given to Mr. Bennett.

Leeds.—The Leeds Chemists' Association met on March 13, at the Grand Central Hotel, Mr. N. N. Armitage presiding. A vote of sympathy was sent to Mr. W. D. Pollitt on the loss of his son. Misses Taylor and Brownbill (two new lady members) were welcomed by the President. Mr. F. Pilkington Sargeant then gave an account of his work as a member of the Pharmaceutical Council. He claimed credit for his endeavours to secure the best possible terms for Insurance dispensing and his work in connection with the Local Associations Executive. He also dealt with

reorganisation and territorial representation, education and the compulsory curriculum, poison-sales, the proposed Ministry of Health, demobilisation, and the substitutes for sugar and glycerin, urging that the Council had worked and is working hard on these and similar questions in the interests of chemists, and he challenged anybody to say that there is any subject connected with pharmacy which the Council does not deal with in one way or another. Appreciation of Mr. Sargeant's efforts was expressed by Mr. Johnson (who did not know whether the credit for the Insurance dispensing should go to the Council or to Mr. Lloyd George), Mr. Beacock, Mr. Rothstein, Mr. Gilleghan, Mr. Hayes, and the President. At the conclusion it was resolved that a subscription-list be immediately opened in connection with the scheme for assisting discharged pharmacist soldiers, and donations to the amount of 60*l.* were promised within a few minutes.

London (N.).—At the meeting of the North London Pharmaceutical Association, held at the Progressive Pharmacy Club on March 14, the Vice-President (Mr. J. C. Carter) in the chair, the Secretary (Mr. Herbert Skinner), in his report, gave the "Dora" regulations up to date, and urged members to make a note of the changes. Considerable debate arose over the suggestion that there should be a maximum of forty-eight hours in shops and the demands of the London Insurance Committee. It was decided to ask the President to exercise a watching brief at the meeting of the Early Closing Association. The members agreed with the Dublin proposal to press for a reasonable profit on the articles stated. On the question of face-values, it was decided to ask the Secretary to collect 1*s.* per member for the funds necessary in the present propaganda. Mr. Skinner introduced the subject of pharmaceutical reform in view of the coming election. He outlined the possibilities of action in consolidating the Associations and the Pharmaceutical Committees, duly federated so as to be able to elect a clearly defined executive capable of initiative work on independent lines. He said that it must be done now, and not wait any longer for some dilatory Committee to report; the time for doing it effectively was rapidly passing. In the subsequent debate he was closely questioned on the future secretaryship of the Pharmaceutical Society, and what foundation there was in the rumour that Mr. Glyn-Jones was the only candidate in the field. He admitted that this was so, but that the appointment would not be made until June: the whole subject was one for earnest consideration, and no decision one way or the other had yet been taken. The interesting point was made that both Mr. Woolcock and Mr. Glyn-Jones were Hon. Presidents of the Association, and it was decided to send to Mr. Woolcock hearty congratulations on his appointment to a larger sphere of usefulness, accompanied with the regret at the necessity of his leaving pharmacy. Mr. Kirkpatrick addressed the members as a prospective candidate for Council of the Pharmaceutical Society, and received the promises of hearty co-operation to secure his successful return at the coming election.

London (S.E.).—A general meeting of the South-East London Pharmacists' Association was held at Maitland House, Greenwich, on March 12, Mr. A. J. Wing (President) occupying the chair. After the usual preliminary business, the President, in calling upon Mr. J. P. Gilmour to address the meeting on *Forty Years in Pharmacy*, referred to Mr. Gilmour's many and varied activities on behalf of pharmacists and pharmacy over a long period. Mr. Gilmour then gave a summary of his forty years' experience, commencing in the Australian bush, and then his apprenticeship up to the present day. In racy, reminiscent manner Mr. Gilmour related many varied and amusing occurrences in his busy and interesting life. His concluding remarks were an earnest appeal to his hearers to continue to work for the best and highest interests of pharmacy, and an assurance that, in his opinion, pharmacy had made good progress during the past few years, and that the future is full of hope and promised prosperity for the present generation of pharmacists and for those who in due course would follow in their steps. Mr. Gilmour was warmly thanked. A letter from the Dublin Retail Drug Association in reference to the inadequate profit on Allen & Hanburys' preparations was generally approved of and evoked considerable discussion. A resolution was carried approving the payment to members of Pharmaceutical Committees of travelling expenses to an amount not exceeding 5*s.* per member for each attendance.

Manchester.—The Manchester Pharmaceutical Association met at 65 Market Street on March 13. Mr. Joseph Bell, who presided, said that before proceeding with the business of the meeting he desired to express their heartfelt sympathy with the relatives of the late George S. Woolley in the loss they had sustained. All the members knew the splendid work Mr. Woolley had done for pharmacy. A resolution of sympathy was passed, all present standing. Mr. W. H. Butchers, head pharmacist of the Manchester Royal Infirmary, then delivered a lecture on *Pharmacy in a Military Hospital—Civil and Military.* After alluding to the growing improvement in the status of the hospital pharmacist, Mr. Butchers outlined the multitudinous duties which a head pharmacist had to perform—the procuring of drugs, the manufacture of galenicals, the dispensing-work, and the filling of orders from the various wards for both civil and military patients—and gave striking figures regarding the use of bandages, lint, wool, etc., in a large hospital. Mr. Butchers was warmly thanked for his lecture, Mr. W. Kirkby, M.Sc. (an old Hon. Apothecary of the M.R.I.), Mr. F. W. Bates, J.P., Mr. Cromack, Mr. Hershberg, and Mr. Simmonds paying tribute to the lecturer's qualities.

Portsmouth.—The local pharmacists were addressed on March 13 by Mr. Fred Beddow, Ph.D., on *The New Education Bill* and the proposals of the Portsmouth Chamber of Commerce in connection therewith. Mr. T. Brewis presided, and introduced the lecturer as a fellow-worker on various public bodies and a strong educationist. Dr. Beddow said the Bill was almost sure to become law at an early date, probably with few amendments. He outlined the chief clauses as far as they would affect chemists' messengers and apprentices. The "time off" would amount, roughly, to four half-days a week, in addition to the half-holiday. Owing to his interest in the Association he was anxious that their Committee should formulate forthwith their requirements as to the nature of instruction their employés were to receive at the continuation classes, times, and other details, otherwise things would follow the line of least resistance, and pharmacists might fare worse than other bodies who are already moving in the matter. Other items before the meeting were a plea for the support of trade in Newfoundland cod-liver oil and a proposed dinner-hour closing. The latter, introduced by Mr. J. W. Rhodes, is now the subject of a referendum.

Salford.—A meeting of the Salford Pharmacists' Association was held in the Association's rooms on March 14, Mr. W. F. Cuttiford (President) in the chair. A vote of condolence and sympathy with the family of the late George S. Woolley, and of appreciation of his long and useful services to the craft, was passed in silence. Mr. Kirkby, through loss of voice, was unable to deliver his promised lecture, and in substitution therefor Mr. F. W. Bates gave an interesting address, chiefly on educational matters, his remarks having special reference to the apprentice of the future, and also dealing with general trade subjects. Mr. Bates was cordially thanked for his address.

Swansea.—The annual meeting of the Swansea and West Glamorgan Chemists' Association was held at the Cameron Hotel, Swansea, on March 14, the President (Mr. H. S. Arnold, Cwmavon) in the chair. The Secretary's annual report was adopted, and all the officers of the Association were re-elected for the period of the war. It was resolved that a sufficient number of "War Emergency Notes" be purchased to circularise members; that a letter of sympathy be sent to the Clerk to the Insurance Committee in his illness; that thanks be sent to the staff of the Insurance Committee's office for their work in the chemists' interest during the past year; and that scripts submitted for pricing containing any item of ingredient not allowed for by the Insurance Committee should be immediately returned to the chemist, and that all panel chemists should be notified of the fact that these items are not allowed for. An honorarium of two guineas was voted to the Secretary. A discussion arose on a report which had appeared in the local papers regarding a supposed shortage of lints and dressings in a local Poor-law institution. It appeared that the contractors had failed to supply, and as these contractors were not local people, chemists rightly feel that they have a grievance against the local Guardians in letting such contracts go out of the district, especially as sufficient supplies of dressings might have been obtained in the district had inquiries been made. At the next meeting, on May 9, Mr. John Rees, of St. Thomas, will address the members on "Co-operation."

Women Pharmacists.—The Women Pharmacists' Association met on March 12, when Miss E. K. Fordyce gave an account of her war experiences in Russia. Miss Fordyce was a member of a hospital party which left England in June 1916 for Gazan, in East Russia. She visited Petrograd, Moscow, and other cities, and afterwards saw service in a base hospital in Galicia; and her account of the work and the various places visited proved highly interesting.

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Trade Report.

42 Cannon Street, E.C. 4, March 21, 3 p.m.

Business in chemicals and drugs is now being considerably curtailed as the result of the new regulations regarding importation from the United States. Undoubtedly the arrangement is highly essential to the successful carrying on of the war, but at the same time the authorities on this side do not seem in a mood to facilitate matters, and very few permits have so far been granted. The delay in holding up imports of certain chemicals is likely to lead to a disquieting and unsatisfactory position so far as regards importers, and the amount of new work entailed is irksome and laborious. Stocks of many synthetics are now becoming dangerously low, and as practically no imports worth speaking of are taking place the position may become serious unless special facilities are granted for importation of vital medicines. The scarcity in bromides is becoming acute, and prices have advanced considerably, with a brisk demand. Methyl salicylate is scarce and dearer; benzoate of soda is firmer; tannic, gallic, and pyrogallic acids are all firm, and may go higher. Phenacetin and paraldehyde are on the easier side. Chloral hydrate, hexamine, and hydroquinone are getting scarce on spot. Arsenic is rather lower; copper sulphate is easier for export Other changes include an advance in canary-seed; fenugreek is firmer. Gingers and pimento are dearer on speculation. Japanese vegetable wax is also dearer.

Higher	Firmer	Easier	Lower
Agar-agar Arrowroot Bromides Canary-seed Cassia lignea Ginger Mace (W.I.) Methyl salicylate Nutmegs Pimento Wax, veg. (Japan)	Albumen Fenugreek-seed Soda benzoate Tannic acid Tartaric acid	Copper sulphate (export) Paraldehyde	Acetic anhydride Arsenic Farina

Cablegram.

New York, March 21.—Business in drugs is quiet. Menthol is dearer at $3.30 per lb. Taraxacum-root is lower at 32c. Copaiba is steady at 96c., and Oregon balsam of fir is lower at $1.50.

Acetic Anhydride has been selling at rather cheaper prices of late, American having been done at about 9*s.* 6*d.* per lb., but it is not anticipated that these cheap supplies will be available much longer. Quality of some parcels is occasionally below aspirin-makers' standard.

Agar-agar is dearer, with spot sales of No. 1 Kobe up to 4*s.* 6*d.* per lb. To arrive, January-March shipment has been sold at 3*s.* 10½*d.*, March-May at 3*s.* 10*d.* to 3*s.* 9*d.*, and April-June 3*s.* 9*d.* c.i.f., also No. 2 for February-April shipment at 3*s.* 7½*d.* c.i.f.

Albumen.—Prime on spot is firmer at from 4*s.* 2*d.* to 4*s.* 3*d.* per lb.

Anise Oil (Star) is steady at from 4*s.* 3*d.* to 4*s.* 4*d.* per lb. on the spot for "Red Ship."

Antimony.—There appears to be a steadier feeling with a little more interest, but cheap spot lots are still on offer at 43*l.* per ton, although some holders ask 45*l.* to 46*l.* Some business has been done lately at 43*l.* for shipment c.i.f. U.K., subject to permit, which has been apparently obtained since, in spite of an application having been refused for regulus.

Arrowroot is dearer, sales of manufacturing St. Vincent having been made at from 1*s.* to 1*s.* 0½*d.*

Arsenic is slightly cheaper, Japanese being obtainable at from 130*l.* to 135*l.* per ton from consignments just landing. No further importations are expected from U.S.A., as the Government has refused permits on the ground that their supplies are inadequate for the production of sheep-dip.

Aspirin is unchanged at from 12*s.* 6*d.* to 13*s.* per lb. Stocks of American and Swiss makes are dwindling down to vanishing-point, so that there is the possibility of a sudden improvement. It is of interest to note that during 1917 Japan exported 25,183 kin (=33,584 lb.) of aspirin, valued at 200,656 yen.

Benzoates.—The English production of *benzoic acid* appears to have been somewhat interrupted, makers delivering very slowly. It seems questionable, therefore, whether there will be sufficient to go round when the season demand sets in. The American price precludes exports from that country. Spot values of acid are from 18*s.* to 19*s.* per lb. *Benzoate of soda* is scarce on the spot and rather firmer at from about 19*s.* to 20*s.*

Bergamot Oil.—Spot holders offer 37 to 38 per cent. at from 20*s.* 6*d.* to 21*s.* per lb.

Bismuth Salts.—We understand that representation is to be made to the Minister of Munitions that the quantity of 56 lb. salts allowed to be sold in one calendar month with a general permit is insufficient for pharmaceutical requirements, and that an amount of 2 cwt. is to be suggested.

Bromides.—The demand has been lively, and many second-hand parcels have been sold and re-sold at advancing prices, up to 10*s.* to 10*s.* 6*d.* having been paid for potash, 8*s.* 6*d.* to 9*s.* 6*d.* for ammonium, and 4*s.* 6*d.* to 5*s.* for sodium. The arrival of some Japanese potash has slightly relieved the scarcity, but considerably more is wanted, and further supplies from U.S.A. are eagerly awaited. To the best of our belief, however, there is little or no potash actually afloat, so that consumers look to the Government for assistance.

Camphor (Refined).—Japanese remains firm at 4*s.* 3*d.* per lb. for 2½-lb. slabs on the spot, and at 4*s.* 1*d.* c.i.f. for March-May shipment; ¼-oz. tablets have been sold at 4*s.* 3*d.* to 4*s.* 6*d.*, with 5*s.* asked on spot. The exports from Japan during November were 194,665 kin, valued at 307,244 yen, and during the eleven months they were as follows:

	1915	1916	1917
Kin	3,533,183	4,899,176	2,972,519
Yen	3,162,105	5,103,283	5,063,347

The destinations were as follows:

	1915 Kin	1916 Kin	1917 Kin
British India ...	1,191,551	1,309,170	1,009,243
Asiatic Russia ...	246,901	447,068	65,283
Great Britain ...	308,217	635,355	121,698
France	512,008	374,192	66,618
United States ...	950,896	1,917,004	1,460,993
Australia ...	162,878	92,597	104,686
Other countries ...	160,732	123,790	143,993
	3,533,183	4,899,176	2,972,519

Canary-seed continues in demand at advancing prices. For ordinary Morocco 200*s.* per quarter was paid early in the week, and higher prices are now asked.

Capsicums.—At auction 60 bales East Indian sold at 45*s.* for fair large red stalky.

Cassia Lignea is dearer, sellers asking 90*s.* on the spot and broken 77*s.* 6*d.* to 80*s.*

Chloral Hydrate.—Spot stocks are becoming very small, no arrivals taking place from American or Swiss makers, and as supplies have now got into dealers' hands higher prices are looked for in consequence.

Cloves are quiet, with spot sellers of fair Zanzibar at 2*s.* 3*d.*

Cocoa-butter.—Sales of primo English have been made at 2*s.* per lb.

Cod-liver Oil.—Our Bergen correspondent writes on February 25 that the cod-fishing up to date has given only trifling results, the following being the figures up to February 23:

	1916	1917	1918
Catch of cod (millions)	5.0	1.9	0.7
Yield of c.l.o. (hect.)	7,329	4,389	660
Liver for "raw" oils (hect.) ...	1,093	1,363	81

Again on March 5 our correspondent writes: The results of the cod-fishing up to date are without importance. The calm weather now ruling entitles one to hope for an improvement. The official report up to March 2 is as follows:

	1916	1917	1918
Catch of cod (millions)	7.8	3.0	1.2
Yield of c.l.o. (hect.)	11,050	6,050	1,275
Liver for "raw" oils (hect.) ...	1,525	1,425	195

Copper Sulphate.—The home demand is again slow, but will probably revive in the near future. It is estimated that several thousand tons have already been booked by makers for this season's requirements. Prices are unaltered at 50*l.* to 52*l.* for home consumption, while export terms are quite nominal.

Cream of Tartar.—Sales have been made at 410*s.* per cwt. for 98-per-cent. powder on the spot.

Ergot.—Sales of Spanish have been made at 3*s.* per lb. on the spot.

Eucalyptus Oil.—Fairly large arrivals continue to take

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place in Liverpool, and competition is keen, B.P. qualities offering at 2*s.* 7*d.* per lb.

Farina is firm, with No. 1 Japanese offering afloat at 92*s.* The sales include near at hand at 91*s.* and March-May shipment at 89*s.*; *sweet* is 87*s.* to 87*s.* 6*d.* c.i.f. It is anticipated that prices have now reached their highest, as the Government are taking steps to manufacture farina in Britain and Ireland. Prices in the North of England show a considerable drop, where prices about 10*s.* less than in London are quoted.

Fenugreek-seed is firmer; after sales of fair Moroccо at 45*s.* per cwt. holders have raised their quotation to 47*s.* 6*d.*

Gallic Acid is likely to go dearer, and present prices of from 6*s.* to 6*s.* 6*d.* are regarded as reasonable.

Ginger.—At auction 879 packages sold at an advance of from 10*s.* to 15*s.* per cwt., comprising rough washed Cochin at 90*s.* and fair to good brown Calicut at 80*s.* to 85*s.* 6*d.* Limed Japan is offered at 75*s.* on the spot. Privately Jamaica is 10*s.* dearer at 97*s.* 6*d.* to 100*s.* for common to good common and 110*s.* to 115*s.* for medium to good.

Guaiacol Carbonate.—Spot stocks are being worked off owing to the revival of export demand.

Hexamine.—Consignments are eagerly awaited from America, as spot stocks are very small, and from 7*s.* to 7*s.* 6*d.* is easily obtainable.

Hydroquinone.—Our remarks in regard to hexamine apply also to hydroquinone. The price is about 16*s.* on the spot, although it is much above the parity of the American price.

Kola.—Business has been done in second-hands at 10¼*d.* for fair West Indian halves.

Liquorice-root remains extremely scarce, with a quantity of natural offering at 90*s.*, but quality is inferior. Cut decorticated is offered at 150*s.* per cwt.

Mace.—At auction 78 packages sold at from 1*d.* to 2*d.* per lb. higher rates.

Menthol remains firm, sellers quoting Kobayashi-Suzuki at 14*s.* 3*d.* to 14*s.* 6*d.* on the spot. To arrive, sales of March-May shipment have been made at 13*s.* 6*d.* to 13*s.* 7½*d.*, and combined with oil at 17*s.* c.i.f. The exports from Japan during December were 14,163 kin, valued at 84,159 yen. During the twelve months ending December the exports were:

	1915	1916	1917
Kin	325,464	386,458	251,210
Yen	1,805,114	2,410,628	1,594,327

The destinations were as follows:

	1915 Kin	1916 Kin	1917 Kin
British India	26,177	24,707	14,853
Great Britain	59,246	143,148	62,870
France	41,774	69,184	2,722
United States	172,590	137,228	148,554
Other countries ...	25,677	12,191	22,211
	325,464	383,458	251,210

Methyl Salicylate is much dearer, with business actually done up to 8*s.* 6*d.*, and spot parcels are difficult to find. No consignments are advised as being on the way. English makers are short of raw material.

Milk-sugar.—A few important transactions in American make have taken place this week, chiefly for forward delivery at prices of from about 410*s.* to 420*s.* Dutch makers hope shortly to be able to offer for forward delivery, as supplies are becoming more plentiful in that country. Meanwhile, holders are able to obtain extreme prices for actual spot delivery.

Mint Oil.—Sales of Japanese dementholised (Kobayashi-Suzuki) for March-May shipment have been made at 3*s.* 9*d.* c.i.f.

Morphine.—Home-trade requirements of hydrochloride can still be supplied by the makers at 13*s.* 6*d.* per oz. net.

Nutmegs met a good demand at auction, 237 packages West Indian realising from 1*d.* to 2*d.* per lb. higher rates.

Opium remains steady at 61*s.* per lb. for Persian 10-per-cent. on the spot.

Orange-flower Water is being placed on the market by a firm of Grasse distillers in a concentrated form in small phials of 20 c.c. and 100 c.c., which is guaranteed to be the equivalent of ten litres and fifty litres of orange-flower water. This obviates the necessity of iron drums, glass carboys, and bottles, on which the charges are heavy, and frequently more than the value of the water itself.

Paraldehyde has an easier tendency, being the object of a little cutting in prices; from 13*s.* 6*d.* to 14*s.* is quoted.

Peppermint Oil.—Spot supplies of American continue scarce, and the price is nominal at about 21*s.* net. H.G.H. can be had in limited quantity at 26*s.*, London terms.

Phenacetin.—The keen competition continues, and spot prices are rather depressed in consequence. When the small cheap lots in second-hands are cleared a recovery is looked for.

Phenazone.—One or two odd parcels have been sold at low prices, which prevents an improvement. There is very little, however, coming forward from France and Switzerland owing to transport difficulties, and it is possible the position may improve later.

Pimento is dearer, with sales at from 5⅛*d.* to 5½*d.* per lb. on the spot.

Potash Prussiate.—Red crystals are offered at 9*s.* per lb. on the spot in kegs, and yellow at 3*s.* 6*d.*

Pyrogallic Acid.—Present prices are 16*s.* for crystals and 18*s.* for re-sublimed, and may be regarded as still moderately low.

Quinine is without feature, except that no offers from the makers are yet forthcoming. There are several consignments on the way from Java, and it remains to be seen whether the Government will commandeer them. In view of the statement made by an American contemporary of the possible exercise of German influence or control over the Dutch quinine-makers, it would be interesting to have a comment from the makers concerned as to their actual position. The imports, exports, and re-exports of the United Kingdom during February and the two months ending February are as follows:

	1916 oz.	1917 oz.	1918 oz.
Imports—			
February	442,408	230,398	138,807
Jan.-Feb.	730,160	569,470	459,535
British exports—			
February	82,321	26,544	60,327
Jan.-Feb.	311,384	137,963	73,081
Re-exports—			
February	16,173	3,253	73,489
Jan.-Feb.	114,042	3,341	162,929

Saccharin.—The fact is now well established that the supplies in this country are quite insufficient for consumers' requirements and that the trade can rely upon always receiving a certain amount from America, but if the British Government fixes a maximum price a shortage will inevitably ensue, as shipments will be withheld. The quantities of toluol available in America are, of course, limited owing to the desire to conserve supplies, but arrangements have been made to supply makers who have entered into contracts before a certain date, but no new business may be guaranteed. The position of tablet-makers in this country is not satisfactory, as there are important orders on hand for tablets which cannot be executed, and it seems incumbent on the Government to define their intentions clearly and quickly, so that the supplies of tablets to the public may be maintained. Sales of 550 pure to arrive have been made at up to 300*s.*, and the spot values range from 350*s.* to 370*s.* per lb.

An advice from New York dated March 7 intimates that, with an increase in the demand from domestic consumers, the market became firmer at $19.25 to $19.50 for insoluble and $18 to $18.50 for soluble. Makers are now able to obtain fair supplies of toluol.

Salicylates remain quite unaltered and without new feature, except that carbolic acid is being released to the salicylate-makers rather more freely, and this means increased production. Spot price of acid is 5*s.* to 5*s.* 6*d.*, and sodium is 7*s.*

Shellac.—Speculation having been eliminated by the official control Order, practically no interest is taken in the market, and the price is nominal at 450*s.* for usual TN Orange quality.

Sulphonal.—Supplies now on the way from France are offered at 80*s.* per lb.

Tannic Acid.—The high freight on this chemical compels makers to ask the slightly higher prices of from 9*s.* to 9*s.* 6*d.* per lb. for spot supplies. We understand that it is probable that the manufacture will take place in this country before long.

Tartaric Acid.—The Italian price has been slightly advanced, and the makers find difficulty in obtaining shipping room, so that the prospects point to a better market during the coming season; 3*s.* 5*d.* is the spot price.

Turpentine.—Steady, with sales of American under permit at 124*s.* 3*d.* per cwt. on the spot.

Vanillin is firm at from 65*s.* to 66*s.* per lb. net.

Wax, Bees'.—Sales of fair Mozambique have been made at 9*l.* per cwt.

Wax (Vegetable).—Spot sellers of Japanese now ask 115*s.* per cwt., which buyers are reluctant to pay; sales of January-March shipment have been made at 105*s.* c.i.f.

Arrivals of Chemicals, Drugs, etc.

The following arrivals have taken place at the Ports of London and Liverpool:

To London
(March 2 to 8).

Bronze powder, 38 cs.
Casein, 4,140*l.*
Chemical products, unrated, 11 cs.
Argol, 200 bgs.
Calc. citrate, 12 cks.
Cinchonine hyd., 10 cs.
Pyrogallic acid, 10 cks.
Saltpetre, 3,000 cwt.
Soda bicarb., 100 cwt.
Soda crystals, 100 cwt.
Soda hyposulph., 4 tons
Soda, unrated, 28 cwt.
Sulphonal, 1 cs.
Dental goods, 981*l.*
Drugs, etc., unrated, 1,197*l.* 2 cs.; roots and herbs, 184 cs. 25 bls.
Anise, star, 175 cs.
Calamus - root, 25 hampers
Camphor, 55 cs.
Cantharides, 30 cs.
Cardamoms, 60 cs.
Cinchona, 2 cs.
Galls, 770*l.*
Kola, 9 bgs.
Menthol, 5 cs.
Nux vomica, 83 bgs.
Papain, 1 cs.
Senna, 44 pkgs. 85 bgs.
Squill, 14 bgs.
Vanilla, 2 cs.
Dyestuffs, tanning materials, etc., unrated, 122 pkgs.; cochineal, 2 bgs.; cutch, 300 bxs.; indigo, 15 cs.; logwood, 260 tons; myrabolans, 21,253 pockets 3,394 bgs.; myrabolan ext., 1,000 bgs.
Gelatin, 608*l.*
Gums, unrated (cwt.), 20; acacia, 1,205; damar, 91; karaya, 55; olibanum, 353; tragacanth, 239
Lithopone, 260 cks.
Nuts and kernels (cwt.): copra 2,140; ground, 20,895; palm, 29,300
Oils, essential, 181 cs. 6 pt. cs. 5 cbys. 2 jars 6 kgs. 19 pkgs. 5 drms. 5 cks.; anise, star, 140 pkgs. 75 cs.; *synthetic oils*, 11 cs.
Oils, fixed: castor, 1,125 cks.; fish, 50 brls. 500 cs.; ground-nut, 27 drms.; palm, 145 cks.; wood, 6,615*l.*
Perfumery (mostly raw materials), 1,160*l.*; toilet-powder, 489*l.*
Pumice-stone, 30 tons
Seeds (bags): castor, 24,963; coriander, 1,528; dill, 785; fennel, 1,406; fenugreek, 303; lin, 79,519; mustard, 734
Sponge, 70 bls.
Starches (cwt.): potato, 1,600; wheat, 360
Tallow, 300 cwt.
Wax, not described, 32 cs. 3 bls. 10 bgs.
Wax, paraffin, 9,652 cwt.

To Liverpool
(March 4 to 9).

Bronze powder, 35 cs.
Chemical products, unrated, 20 cs.
Acetic anhydride, 10 drms.
Acetyl salicylic acid, 4 brls.
Argol, 316 bgs.
Arsenic, 51 bxs. 96 cks.
Benzonaphthol, 5 kgs.
Calcium acetate, 1,965 bgs.
Calcium borate, 2,750 bgs.
Calcium lactate, 1 brl.
Coumarin, 1 cs.
Cream of tartar, 240 kgs. 90 cks.
Hexamine, 3 brls.
Iron, reduced, 20 kgs.
Methyl acetone, 48 drms.
Methyl salicyl., 11 cs.
Nickel oxide, 188 brls.
Paraformaldehyde, 23 cs.
Paraldehyde, 37 cs.
Potash iodide, 10 cs.
Potash permang., 5 cs.
Pyrogallic acid, 20 cs.
Salicylic acid, 5 cs.
Salol, 5 cs.
Soda acetate, 40 brls.
Soda chlorate, 500 drms.
Soda nitrate, 78,489 bgs.
Sulphur, 400 bgs.
Sulphuric acid, 249 drms.
Tannic acid, 31 brls.
Tartaric acid, 16 pkgs. 20 kgs. 20 brls.
Drugs, etc., unrated, 5 bls. 9 brls. 1,267 cs.; herbs, dried, 32 bgs.
Insect-powder, 10 cs.
Ipecacuanha, 20 bls.
Kola, 25 bgs.
Sarsaparilla, 110*l.*
Dyestuffs, tanning materials, etc., unrated, 50 brls.; chestnut tanning ext., 3,755 cks.; fustic ext., 60 brls.; hematine crystals, 395 brls.; logwood ext., 149 brls. 224 bxs.; logwood liq., 698 cks.; quebracho tanning ext., 67,228 bgs.; quercitron ext., 90 brls. 997 bxs.; sumach, 1,592 bgs.; sumach, ground, 3,915 bgs.; wattle-bark, 2,540 bgs.
Nuts and kernels: ground, 4,773 bgs. and 950 tons; palm, 19,251 bgs. and 180 tons
Oils, essential, unrated, 10 bxs. 398*l.*; anise, star, 200 cs.; bergamot, 13 pkgs.; cassia, 70 cs.; eucalyptus, 740 cs.; lemon, 10 cs.; peppermint, 35 cs.
Oils, fixed: palm, 559 cks.
Seeds: annatto, 10 bgs.; beni, 2 tons; cotton, 550 tons; flax, 336 bgs.
Starches, 4,157 bgs.; farina, 1,724 bgs.
Turpentine, 272 brls.
Wax, bees', 639 bls.
Wax, vegetable, 22 cs.
Zinc oxide, 50 cs.

Chinese Musk.

Some interesting and up-to-date facts regarding the Chinese musk-industry are given in the "Far Eastern Review" for October, in the course of which it is stated that "musk is one product of world commerce in which China practically enjoys a monopoly—not a large one, to be sure, since the annual output is at best only some $400,000 gold, but the product itself is worth many times its weight in silver, and for that matter, gold as well, in these days of high exchange. About one-half of the total output stays in China, and is used especially by the Cantonese in compounding pills that form the best-known remedy in the Chinese Pharmacopœia for Asiatic cholera. The Chinese also use musk to keep moths out of furs and clothing, and as a perfume. Practically all of China's musk comes from Tibet through the Szechwan frontier, the chief markets being Sungpan and Tachienlu, the former being by far the more important. Sometimes, when the road from Sungpan to Chengtu is unsafe, owing to brigands, part of the musk will be taken south and marketed in Tongyueh to go to India. This happened to a considerable part of the output in 1915, when 6,890 oz. out of a total of 25,367 oz. was so shipped. The value of the 1915 musk crop was $266,000 gold. In 1916 some 25,160 oz., valued at $407,000 gold, was shipped. Because of its commanding position in the perfume-industry France has been the largest purchaser of China's musk, the United States being second; but in 1915 the United States forged ahead and bought more than a quarter of the entire output. Good musk is bought for ten times its weight in silver at Sungpan, and at Chungking for eighteen to twenty-five times, so there is a heavy profit somewhere. Small supplies are brought out to various points along the Lungan road, where every coolie seems to have some about him, and the inns reek with the sickly smell. The musk is brought down in its pod, and the best kind is recognised by a nice brown colour, and in its pure state by its overpowering stench; pods with greyish or dull-coloured musk are rejected. It is retailed by the one-hundredth of an ounce, but it is adulterated more than any other article in the Chinese market. By far the largest herds of musk-deer are to be found on the southern shores of the Koko-Nor, and the supply of musk there (at T'aochou) is larger than the quantity that comes through Sungpan. In fact, great quantities of musk do not come to Sungpan at all, but are sent east to Yuchow, in Honan, where a fair is held in the ninth and tenth moons, many of the Sungpan traders visiting this place. At Tachienlu musk is the most valuable export, practically every hong reeking with it, and nearly all the Tibetans who come from the far interior bring some with them. The price of medium musk there is thirteen times its weight in silver.

Musk is a secretion of the male musk-deer. Three kinds of musk are distinguished in commerce, the most important and valuable being the Chinese or Tongkin musk, imported principally from Shanghai. It is put up in small tin-lined, silk-covered caddies, each containing from two to three dozen pods. These are generally adulterated with dried blood, fragments of leather, leaden pellets, peas, etc., so that often little more than the smell of the original tenant of the pod remains. The Chinese pods vary greatly in value according to quality and genuineness. Some musk collected from the Western Himalaya is exported from India. It is much less prized than genuine Tongkin musk. The third variety, known as Kabardine, or Siberian musk, is exported from Central Asia by way of Russia. It is in large pods, said to be yielded by a distinct species of deer, and is very inferior in point of odour. Good musk is of a dark purplish colour, dry, smooth, and unctuous to the touch and bitter in taste. Musk, or some substance possessed of the musk odour, is also contained in glands in the jaw of alligators and crocodiles, whence it has been extracted for use in perfumery in India and Egypt. The musk-ox and the musk-rat (Indian and European) are, as their names indicate, remarkable for a musk odour. The musk-deer differs from the typical members of the deer family and stands by itself as an isolated zoological form, as both sexes are entirely devoid of any sort of frontal appendage, and the upper canine teeth of the males are remarkably developed—long, slender, sharp-pointed, and gently curved, projecting downward out of the mouth with the ends turned somewhat backward. Among the anatomical peculiarities in which it differs from all true deer is the presence of a gall-bladder. The musk-deer has a wide distribution over the highlands of Central and Eastern Asia, including the greater part of Southern Siberia, and extends to Kashmir on the south-west and Cochin China on the south-east, always, however, at great elevations, being rarely found in summer below 800 feet above the sea level, and ranging as high as the limits of the thickets of birch, rhododendron, and juniper, among which it conceals itself in the daytime. It is a hardy, solitary, and retiring animal, chiefly nocturnal in its habits, and almost always found alone, rarely in pairs, and never in herds. It is exceedingly active and sure-footed, having, perhaps, no equal in traversing rocks and precipitous ground; and it feeds on moss, grass, and leaves of the plants which grow on the mountains among which it makes its home. Most of the animals of the group to which the musk-deer belongs have some portion of the cutaneous surface peculiarly modified and provided with glands secreting some odorous and oleaginous substance specially characteristic of the species. The situation of the specially modified portion of skin is extremely various, sometimes between the toes, as in sheep, sometimes on the face in front of the eyes, as in many deer and antelopes. Sometimes it forms a distinct pouch or sac. This is the form taken by the special gland of the musk-deer. It is found in the male only, and is a sac about the size of a small orange, situated beneath the skin of the abdomen. The secretion with which the sac is filled is of dark-brown or chocolate colour, and, when fresh, is described as being of the consistency of 'moist gingerbread,' but becomes dry and granular after keeping. When the animal is killed the whole gland, or 'pod,' is cut out and dried, and in this form reaches the market of the Western world, chiefly through China."

Correspondence

"Society Affairs."

SIR,—Adverting to the article in the *C. & D.* (March 16, p. 42) on "Society Affairs," the comments you make regarding the vacant secretaryship have been in the minds of several pharmacists with whom the subject has been discussed, and, with general unanimity, the conclusion come to was that the occasion demands exceptional measures to meet it. As there appears no hope in official quarters that the vacancy will be advertised, and for this reason suspicions are aroused that the appointment may be made in a hole-and-corner fashion, it behoves members of the Society to bestir themselves to prevent this. By-law Section XIII., Clause 3, reads:

"In the event of a vacancy occurring in the office of Registrar or Secretary, the President or Vice-President shall appoint some person *pro tempore* to fulfil the duty of the office, and in the summons for the next Council-meeting the vacancy shall be declared, and some person or persons being proposed and seconded at such meeting, the election shall take place, but shall not be final unless confirmed at the next meeting of the Council."

And so the Council is invested with full powers of appointment without the necessity of giving the members any option of intervention if they thought fit to do so. There are two lines of action the members may pursue. They can bring such pressure to bear on the Council that the vacancy be advertised or, failing this, a special general meeting of the Society be called to amend the by-law to ensure that members may have a voice in the election of a Secretary. The latter procedure is the more necessary, and would tend to eliminate possible abuse in the appointment and give the members a privilege which they should, as a right, possess. Yours very truly,

J. Y. FAIRWEATHER.

Sydenham Road, London, S.E.

SIR,—The approach of another Pharmaceutical Council election serves to remind us that we are still awaiting information on the attitude of the authorities towards our reconstruction problems. The only thing which fills the air at the present moment is the removal of Mr. Woolcock to another all-time job elsewhere, while over all there arises the cloud that our oligarchy is prepared to pay the price of a politician and make the secretaryship and registrarship of the Pharmaceutical Society a side-line of the secretaryship of the Proprietary Articles Trade Association. Silently and persistently, under the stimulus of the Whitley Report and the Minister of Reconstruction, employers and employés are being organised to form Industrial Councils and Trade Boards, and even our assistants are joining their own recognised Union, while we, under the reign of somnolence at Bloomsbury are content to slip back under the ægis of a politician skilled in political arts while our organisation consists of detached and floating units without cohesion. It is new men with flexibility who are wanted, and your model advertisement might tap a productive source, but it must have caused a cold shiver in official quarters. Your own articles on Reconstruction have shown us what there is to be done, but so far I have failed to notice that a single councillor has been courageous enough to bring the questions forward. Shades of Carteighe, to what mediocrity have we fallen. Then, for the election, my advice is watch the new men: we must choose now between the outer darkness or come into the light of day. SIGMA. (31/57.)

SIR,—In the timely article published in the *C. & D.* last week (p. 42), it is stated that the decision as to who shall succeed Mr. Woolcock as Secretary and Registrar has already been made by a Sub-Committee, and the members of the Pharmaceutical Society will doubtless draw their own conclusion from the fact that an attempt has evidently been made to force a decision upon the Council before Mr. Woolcock's resignation had been publicly notified. The choice of the Sub-Committee, as is now well known, has fallen upon Mr. W. S. Glyn-Jones, M.P., to whom the retail drug-trade is much indebted for his activities in devising and working a scheme for the maintenance of fixed minimum prices for proprietary articles, and in watching over and fighting for the interests of chemists and druggists in Parliament. But it is a moot point whether or not Mr. Glyn-Jones is a suitable person to occupy the position for which, it is understood, he is at present the only nominee, especially in view of the fact that he is said to be indisposed to relinquish his connection with the Proprietary Articles Trade Association. The Sub-Committee would, apparently, accept this reservation; but it is simply unthinkable that the Secretary and Registrar of the Pharmaceutical Society should also be the Secretary of the Proprietary Articles Trade Association, and this, I think, will be the view of a very large number of the members of the Society. We need a man prepared to devote his full time and abilities to the duties of the office, without other business interests to distract his attention, and it would be particularly unfortunate, having regard for the Society's statutory position, if its chief executive officer were known to have any connection with an organisation for price protection. In this respect, at least, he should have clean hands, and the Society be beyond reproach. While a union for the defence of the business interests of chemists and druggists is undoubtedly one of our chief requirements, it is becoming increasingly manifest that the Society, as a Chartered body, cannot be made to fill the bill, and it is no disparagement of Mr. Glyn-Jones's undoubted abilities as a trade organiser to state that his appointment as Secretary and Registrar of the Pharmaceutical Society while still continuing his connection with the P.A.T.A. would damage pharmacy as a profession, without in any degree helping to solve the problem of protecting and advancing the business interests of chemists and druggists.

Yours truly,

CHRONOS. (62/9.)

The Chemist's Title.

SIR,—Perhaps the following may meet the desires of the Institute of Chemistry for a new and distinctive title for its members—"Chemician." It associates itself at once with "optician," "electrician," etc. It does not fit the tongue very well, but it beats "pharmacist" in this respect.

Yours faithfully,

Winchmore Hill, N. 21. ALFRED HORNBY.

SIR,—It is a good sign of the times, and shows which way the progressive wind is blowing, that there are apparently very few chemists in the country who could be persuaded to give up their time-honoured reverend title of "chemist." Certainly I, for one, will resist any poaching on that preserve as long as I have strength. Another good sign is the face-value crusade, and it does one good to see the way in which some of our most prominent and respected proprietors have so soon seen the justice of that claim on the part of the trade. I promise them my loyal support, and trust that others will quickly follow in their steps.

Yours faithfully,

NOMEN. (35/15.)

Serving the Country.

SIR,—The letter in the *C. & D.*, March 16, p. 51, signed "Pro Patria," will interest a large number of pharmacists, who, like your correspondent and myself, are members of the Volunteer Force. I shall be glad if "Pro Patria" will communicate with me, when I shall be glad to discuss with him (and any others who care to enter into the subject) ways and means of carrying out his suggestion. I should suggest that so far as London is concerned an early meeting is convened; the provinces would no doubt follow suit.

Yours faithfully,

J. H. P. BOLTON.

28 The Green, Winchmore Hill, N.

The Proposed Compulsory Curriculum.

SIR,—My attention has been directed to an obvious omission from the report of the meeting of London teachers in pharmacy, printed in THE CHEMIST AND DRUGGIST of March 9, page 38. The reference to lectures in Botany was, by a typist's error, omitted from Clause 5 of the statement which I was asked to send to the President of the Pharmaceutical Society, and the Clause ought to read as follows:

5. There should be at least 100 lectures in chemistry and physics, twelve hours' work in each week in practical chemistry, 45 lectures and demonstrations in botany, 45 lectures and demonstrations in materia medica and pharmacy, together with instruction in dispensing and demonstrations of practical pharmaceutical processes.

I may add that the statement was duly posted to the President of the Pharmaceutical Society on March 2, and has presumably been received and considered, though as yet no acknowledgment of this has been sent.

Faithfully yours,

JOHN HUMPHREY.

SIR,—May I say a few words against the proposed curriculum for the Minor? The first point is that all curriculums set up an artificial barrier to those who, through lack of this world's goods, have to attain the necessary knowledge by various means, and cannot afford a complete cessation

of business for six months at least. In other words, it gives a person with money an unfair advantage over one with brains but no money. What does it matter, what can it matter, where or by what means one attains the necessary ability to pass the Minor if the examiners are satisfied with those attainments? I qualified by spending my spare evenings (one a week) at night classes and hours wrung from the night at books. Yet had a curriculum been in force then I should have been denied an opportunity of even trying to pass because I did not have 100*l.* or so to spend at one of the schools of pharmacy. In the times before us it will have to be "ability to perform the work" that will be the criterion in selecting applicants for the best positions, and not "Where were you apprenticed?" or "Where were you educated or trained?" The Society professes to think it most unfair that the Institute of Chemistry will not allow our Major men to work for the F.I.C. without a curriculum, yet it proposes to adopt the same attitude itself towards the younger members of our craft. I for one intend to ask each of the candidates for the Council his views on the subject, and to vote against each and all who favour the scheme.

M.P.S. (31/26.)

The Parliamentary Fund.

Sir,—Now that Mr. Woolcock has attained a higher sphere, with pharmacy no longer as his life's work, I presume the large sum of money—something like 3,000*l.*, I believe—which has been subscribed throughout the trade to run a Parliamentary candidate will be available for other purposes. Mr. Glyn-Jones, we are told, is giving up his Parliamentary work entirely, so that the handsome sum named will be lying fallow. Knowing as I do the strong patriotic sentiments of the donors, I would suggest that it be used for a purpose with which no pharmacist or member of the drug-trade will disagree. There are many pharmacists at home already "broken" by this terrible war, and in another year, it is safe to predict, there will be many more. Why not use the proceeds of the Fund to assist our brethren broken in health and in fortune and to help in their reconstruction for future usefulness? It would be a graceful and a gracious thing for the President of the Pharmaceutical Society to place such a suggestion before the subscribers to the Fund, and I feel quite certain that it would meet with the hearty approval of Mr. Woolcock, Mr. Glyn-Jones, and all who have contributed. Do my brother pharmacists not agree?—Yours faithfully,

Suburbiton. (191/7.)

The Origin of Trade Unions.

Mr. Bernard Ellis, Sheffield, writing in reference to the remarks of "Xrayser II." on the Pharmacists' Trade Union (*C. & D.*, March 16, p. 41), states emphatically that trade unions did not emerge from craft guilds. He objects to the description "wild-cat scheme" which "Xrayser II." applied to the proposed Pharmacists' Trade Union. Mr. Ellis adds that he is the happy possessor of dozens of letters from pharmacists in favour of the union, and warns our contributor "that one day before long he will be sharply reminded of what is happening among the younger pharmacists in the country. . . . A trade union is coming. It is a necessity, and no amount of irresponsible or hostile criticism will stop it."

Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

Appreciations.

"I scarce dare to think of the number of years I have subscribed to the *C. & D.*, but each year makes it more valuable and interesting to me."—*J. B.* (199/7).

"Cheque for *C. & D.* is enclosed. Only an acknowledgment, not an equivalent *quid pro quo* for the many benefits we chemists receive from you."—*H. G.* (123/27).

Optical Optimism.

(Summer Time begins on Sunday, March 24.)

We are not self-deluded
Advancing time one hour
To gain more daylight!
The reason has been provèd—
We reinforce our power
By saving daylight!
But not in power alone
We economise our need
Through saving daylight!
Does not our sight atone
For practice of the "rede,"
"Work more in daylight"?

A. E. W.

Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

B. G. R. (Multan) (200/58).—Your inquiry is not suitable for insertion in our journal. You should consult an oculist.

A. E. O. (5/22).—Solubility of Litharge.—We cannot find any references regarding the reaction of litharge and water-glass. It is worth trying the experiment you mention, as molten litharge is stated to dissolve silica, forming a silicate, and there are one or two unexpected properties of this oxide which encourage the experiment.

L. M. (91/19) and *P. M.* (Milan) (22/3).—Face-powder in Cake Form.—The ordinary face-powder is sprayed with a weak tragacanth mucilage, sufficient being employed to form a moist powder that can be compressed. The compressed cakes are afterwards dried very slowly. A suitable base for the face-powder is a mixture of potato-starch 4 parts, French chalk 6 parts.

M. E. H. (4/44).—We cannot trace the information regarding the weight of tuberculous persons to which you refer.

C. A. (7/9).—You should have no difficulty in altering the colour and dosage of the cough-mixture. Inf. rosæ acid. conc. will give the proper colour, as the mixture is acid.

W. N. (28/33).—Mouth-wash Perfume.—You do not state what perfume it is you employ in the mouth-wash that has an objectionable bitter flavour. Cinnamon oil and anise oil, which are much employed, are not bitter.

Carbo (25/15).—Utilisation of Peat.—This is a very big subject, and much brains and money have been expended in producing by-products of peat on a paying scale. A useful outline of the modern processes was given in the *C. & D.*, April 11, 1914, p. 57, in a report of a paper by Dr. F. Mollwo Perkin, read before the Society of Chemical Industry. The most hopeful method of utilising peat seems to be carbonising it for the sake of the oils and ammonia which are produced. The chief difficulty which most inventors find is a cheap method of drying the peat, as the water-logged condition of the material causes great waste of fuel.

Medicus (27/38).—Obscuring Glass.—This is generally managed by wetting with a strong solution of Epsom salts in beer if a temporary effect is desired. For permanence, white paint "dabbed" over before it is dry with a dry brush or sponge is simplest.

F. W. B. (19/4).—Labelling Tins.—A *résumé* of the various suggestions that have been made for causing labels to adhere to tins was given in the *C. & D.*, April 21, 1917, p. 384.

W. R. W. B. (15/60).—(1) Liquid "Dry" Shampoo.—See *C. & D.*, October 20, 1917, p. 52, and *The Chemist and Druggist Diary, 1918*, p. 66. (2) Copying-graph without Glycerin.—See *C. & D.*, April 28, 1917, p. 50.

Pot. Nit. (22/33).—(1) Powders for Dry Shampoo.—See *The Chemist and Druggist Diary, 1918*, p. 66, but note that you must not now employ rice-starch for the purpose. Potato-starch may still be used in toilet-preparations. (2) Nursery Pomade.—See *C. & D.*, June 3, 1916, p. 52.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," March 14, 1868.

Doses and Actions of Medicines.

A suggestive paper on the Doses and Actions of Medicines was read at a recent meeting of the Harveian Society. Dr. Fuller considered that the prevalent distrust in the efficacy of drugs might all be resolved into the three following formulæ: (1) The natural reaction from the overweening confidence in medicine, and from the wholesale and indiscriminate administration of drugs which prevailed at the beginning of the present century. (2) The discovery that certain disorders, if left to themselves, in many instances tend to recovery. (3) The prevalence of extreme ignorance as to the dose in which each drug is tolerated by the system, and as to the dose in which it must be administered in order to obtain its curative effect.

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Self-contained. Simple and perfectly aseptic.

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Assimilable Sulphur Colloid. Entirely absorbed.
For Chronic Mucous Affections, Rheumatism, Skin Diseases, &c.

COLLOIDS.

(Chemical).
See Biosulfol, Cuprase, Iodargol, Iodeol.

COLLOIDS.

(Electric). Gold, Platinum, Silver, Selenium, Copper.

CRYOGENINE.

(Lumière)
A general Antipyretic Powerful Analgesic.
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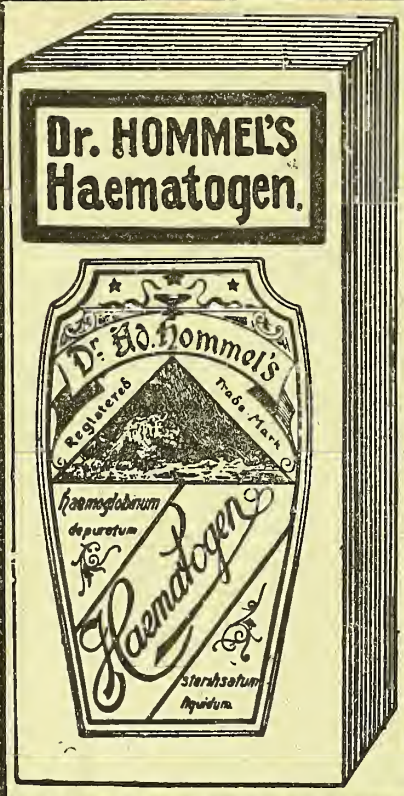

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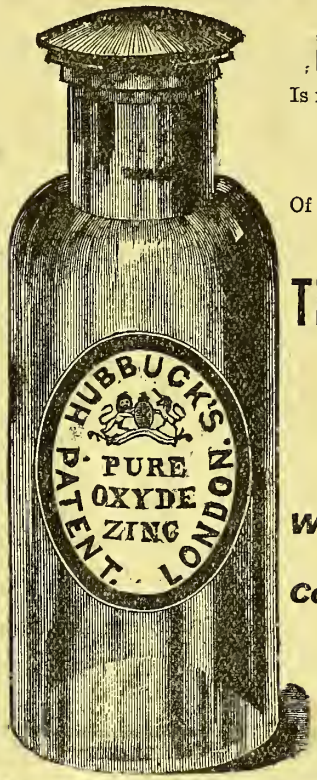

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*Ext. Belladonnæ Liq., B.P., 5 lbs. @ 19/- lb. ; 1 lb. @ 19/6 lb. ; solid, 7 lbs. @ 11/- lb.
Ext. Cannab. Ind., Alc., B.P., 1 lb. @ 180/- lb.
Ext. Cascara Sag. Liq., B.P., 1 cwt. @ 2/6 lb. ; 10 lbs. @ 2/8 lb.
*Ext. Ergot. Liq. P.B., 5 lbs. @ 4/10 lb. ; 1 lb. @ 5/3 lb. ; Solid, P.B., 4 lbs. @ 20/- lb. ; 1 lb. @ 21/- lb.
Ext. Gent., P.B., solid, 1 cwt. @ 2/7½ lb. ; 7 lbs. @
*Ext. Glycyrrh. Liq., B.P., 6 lbs. @ 4/9 lb. [2/11 lb.
*Ext. Hamamelis Liq., P.B., 5 lbs. @ 4/1 lb.
Ext. Hyoscyam., Solid, B.P., 3 lbs. @ 12/6 lb. ; 1 lb. @ 13/- lb.
*Ext. Ipecac. Liq., P.B., 5 lbs. @ 18/6 lb. ; 1 lb. @ 19/- lb.
Ext. Malti c. Ol. Jecoris, 10 lbs. @ 1/- lb.

*Ext. Nucis Vom. Liq., P.B., 5 lbs. @ 5/- lb. ; 1 lb. @ 5/3 lb. ; solid, 5 lbs. @ 6/6 lb. ; 1 lb. @ 6/10 lb.
Ext. Opii Solid, P.B., 1 lb. @ 140/- lb.
*Ext. Opii Liq., B.P., 5 lbs. @ 8/9 lb. ; 1 lb. @ 9/3 lb.
Ext. Quassiæ, Solid, 7 lbs. @ 8/- lb. ; 1 lb. @ 8/6 lb.
Ext. Sarsæ Co. Solid, 7 lbs. @ 6/6 lb. : 1 lb. @ 7/- lb.

Ferri Ammon. Cit., P.B., 28 lbs. @ 3/5 lb. ; 7 lbs. @ 3/7 lb.
Ferri Carb., 14 lbs. @ 6d. lb.
Ferri et Quiniæ Cit., P.B., 100 ozs. @ 1/1½ oz. ; 25 ozs. @ 1/2½ oz.
Ferri Sulph., pure cryst., 1 cwt. @ ; 7 lbs. @ 3½d. lb.
Ferrum Redact., 80%, 1 lb. @ 8/6.
Flor. Anth. Exot., 7 lbs. @ 4/2 lb.
Fol. Buchu, oval, 7 lbs. @ 6/6 lb.
Fol. Sennæ Alex. parv., 28 lbs. @ 1/1 lb.
Fol. Sennæ Tinnev., 1 cwt. @ 7½d. lb. ; 7 lbs. @ 9½d. lb. ; English Ground, 56 lbs. @ 10d. lb. ; 7 lbs. @ 1/- lb.
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Fuller's Earth, fine powder or lump, 5 cwt. @ 10/- cwt. ; 1 cwt. @ 11/-

Galla Cærul. Pulv., 7 lbs. @ 2/- lb.
Gamboge, English Ground, 1 lb. @ 9/6 lb.
Ginger, English Ground, 1 cwt. @ 85/- cwt. ; 7 lbs. @ 11d. lb.
Gingerine, Extra, 5 lbs. @ 13/- lb. ; 1 lb. @ 13/6.
Guaiacol Carb., 1 lb. @ 160/- lb.
Guaiacol, pure, 1 lb. @ 130/- lb.
Gum Acaciæ sorts, 3 cwt. @ 97/6 cwt. ; 1 cwt. @ 100/- cwt. ; 7 lbs. @ 1/0½ lb. ; English Ground Powder, No. 1, 1 cwt. @ 174/- cwt. ; 7 lbs. @ 1/8 lb. ; No. 2, 1 cwt. @ cwt.
Gum Benzoin, Sumatra, 84 lbs. @ 2/3 lb. ; 7 lbs. @ 2,5 lb.

Gum Catechu Nig., English Ground, 1 cwt. @ 114/- cwt. ; 14 lbs. @ 1/2 lb.
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Gum Tragac. Elect., English Ground, 7 lbs. @ 10/- lb. ; 1 lb. @ 11/- lb.

*Heading (Frothing Ess.), 5 lbs. @ 1/9 lb. Heliotropine, 1 lb. @ 35/6 lb.
Hellebore, White, Powder (Foreign Ground), 1 cwt. @ 65/- cwt.
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Hydrokinone, 1 lb. @ 17/6 lb.

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*Inf. Aurant. Conc., 1 to 7, 6 lbs. @ 1/11 lb.
* " Aurant. Comp. Conc., 1 to 7, 6 lbs. @ 1/11 lb.
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* " Calumbæ Conc., 1 to 7, 6 lbs. @ 2/- lb.
* " Caryoph. Conc., 1 to 7, 6 lbs. @ 1/11 lb.
* " Casoarilla Conc., 1 to 7, 6 lbs. @ 1/8 lb.
* " Cinchonæ Acid, 1 to 7, 6 lbs. @ 2/6 lb.
* " Gentianæ Co., 1 to 7, 6 lbs. @ 1/5 lb.
* " Quassiæ Conc., 1 to 7, 6 lbs. @ 1/1 lb.
* " Rhei Conc., 1 to 7, 6 lbs. @ 1/11 lb.
* " Rosæ Acid. Conc., 1 to 7, 6 lbs. @ 3/4 lb.
* " Senegæ Conc., 1 to 7, 6 lbs. @ 3/10 lb.
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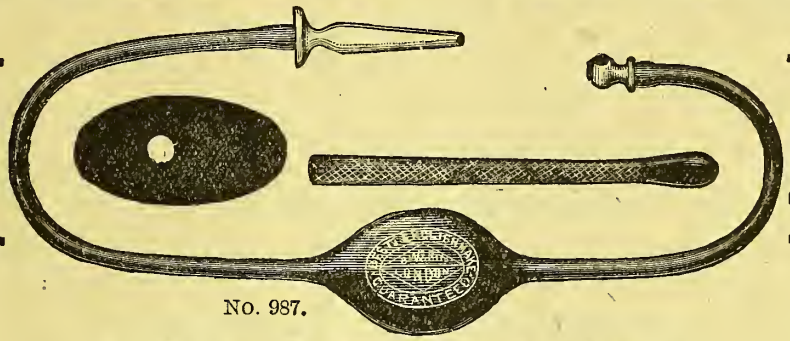

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6″ × 8″	4/1	6/2
6″ × 10″	4/5	6/8
6″ × 12″	4/9	7/2
7″ × 10″	4/8	7/-
7″ × 12″	5/4	8/-
8″ × 10″	5/-	7/6
8″ × 12″	5/8	8/6
8″ × 14″	6/1	9/2
9″ × 12″	6/-	9/-
10″ × 12″	6/5	9/8
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10″ × 16″	7/9	11/8
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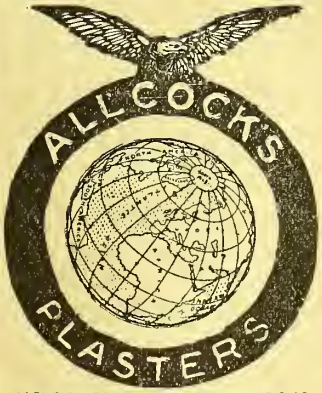

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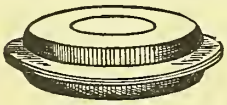
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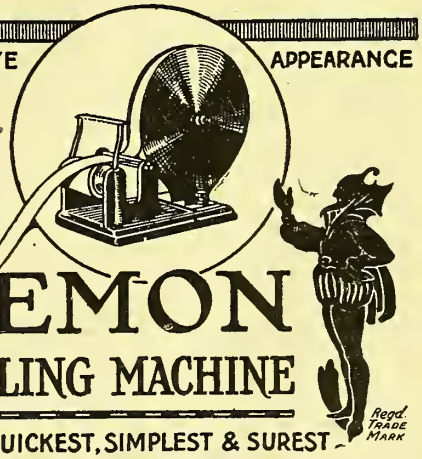

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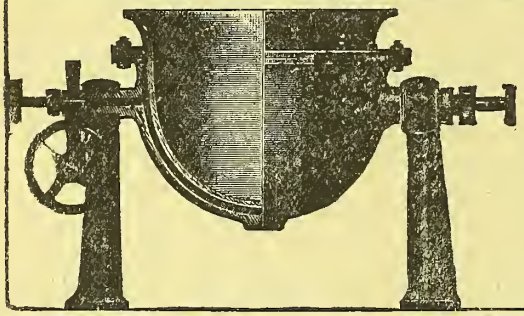

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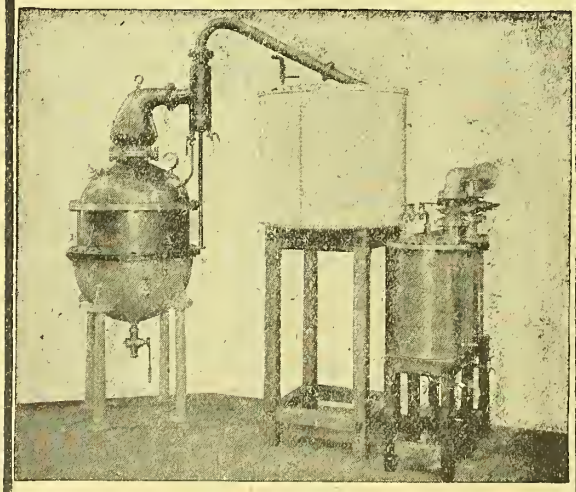

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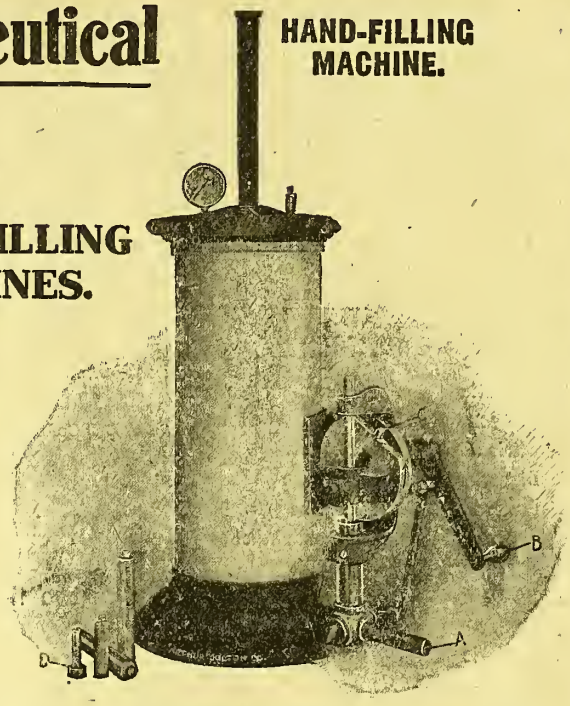

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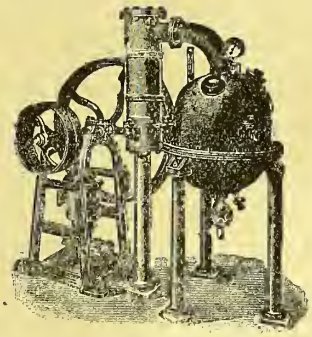

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WHOLESALE AND EXPORT ONLY

[00]

THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C. SATURDAY, MARCH 23, 1918

This Supplement is Inserted in every number of The Chemist and Druggist.

TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., **MUST BE PREPAID** (except in the case of serial advertisers), and to ensure prompt insertion

REMITTANCES MUST ACCOMPANY INSTRUCTIONS.

Advertisements for the current issue cannot be received after first post on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done

PROVIDED the MONEY is TELEGRAPHED

at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C.4. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. **Telephone: No. 3617 Central (3 lines). Telegraphic Address: "Chemicus, Cannon, London."** (Three words counted as two.)

EASTER HOLIDAYS

NEXT week THE CHEMIST AND DRUGGIST SUPPLEMENT will be put to Press a day earlier than usual. Therefore any advertisements intended for the SUPPLEMENT of March 30 should reach this Office not later than

N.B.—The Offices will be closed from Thursday evening, March 28, to Tuesday morning, April 2

10 a.m. on Wednesday, March 27.

ADVERTISEMENTS RECEIVED LATER will be INSERTED in the ISSUE of APRIL 6.

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone Number: City 2283

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—KENT (Suburban).—Good middle-class Retail and Dispensing Business; returns, under Manager, exceed £1,400; *net profit* £360; books audited by an Accountant and Stock taken annually; price £750, to include £90 book debts; part payment would be considered.

2.—LONDON, S.W.—Good middle-class Family and Dispensing Business, situate in select residential district; returns between £1,600 and £1,700, with scope for development; attractive Pharmacy, and large residence with private entrance; price £500; the stock and fixtures were recently valued by us at £730; this is an opportunity seldom met with.

3.—KENSINGTON, W.—Dispensing and Retail Business; returns £800, formerly £1,000; well-fitted shop and comfortable residence; held on lease; first reasonable offer accepted; death cause of sale.

4.—NORTHERN SUBURB.—Good-class Business; excellent situation; returns, under Manager, between £1,100 and £1,200; gross profit £446, and net £300; attractive, well-fitted shop, with comfortable residence; vendor's own property; new lease; very little opposition; price £450, or simply valuation of stock and fixtures.

5.—LONDON, W.—Busy main thoroughfare; established Business; all cash trading; returns last year £2,100; net profit £350 to £400; double-fronted shop, with excellent residence; terms, goodwill £200; stock and fixtures at valuation; vendor retiring.

6.—LONDON, S.W.—For immediate disposal, Drug Stores; conducted under unqualified management; excellent opening for Chemist; returns, present rate, about £17 per week; comfortable residence, with small garden; rent £52; sublet £16; price £200.

7.—LONDON, N.—Ready-money Retail, with small Wholesale connection; corner shop, situate in busy market neighbourhood; the business has been much neglected; returns, under management, £1,793, at good prices; scope for development under personal supervision; vendor retiring; no reasonable offer refused.

8.—SOUTH COAST (Death Vacancy).—Ready-money Business; no near opposition; returns last year £900 at fair prices; to effect a speedy transfer about £450 would be accepted, part payment.

9.—SURREY (Good-class Town).—Cash Retail Dispensing Business; returns, under Assistant, £14 to £17 weekly; price £160.

10.—HANTS (Seaport).—Established Business, Retail, Dispensing and Prescribing; returns £500 at good prices, practically no patents being sold; rent £30 per annum; price about £250.

11.—LONDON, N.—Middle-class Business; Retail Dispensing and good sale for own Proprietaries; gross receipts £800; *net profit* £200; price £250; less than value of stock and fixtures.

12.—BOURNEMOUTH.—Retail and Dispensing Business; held by vendor many years; returns £2,000 yearly at fair prices; terms, goodwill, £100; stock and fixtures by valuation.

13.—HOME COUNTY.—Very old-established Business; position good; returns last year £949; *net profit* £240; roomy shop, fitted in mahogany; rent £42 10s., which includes comfortable residence and garden; terms, valuation of stock and fixtures.

14.—FASHIONABLE SEASIDE TOWN (S.W. Coast).—Good-class Retail and Dispensing, with excellent sale for own Proprietaries; returns average about £700; *net profit* £275; well-appointed shop and residence, situate in centre of town, and close to busy railway station; terms, £50, and valuation of stock and fixtures.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone **Profit, the value of Business, &c.,** can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of **confusion and loss.**

Messrs. O. & Co. are prepared to undertake these essential duties, and will make **Special Terms** for such services.

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2.—HERTS (Market Town).—Most desirable Light Country Retail; easily worked; returns about £900; good profits; good house, bathroom, etc.; very best position; well stocked; price for prompt sale, £400, or near offer.

3.—LEICESTERSHIRE.—Sound Cash Drug Store in small town; returns average £630; *net profit* £200; good house and Pharmacy, well stocked; price £300 or valuation.

4.—NORTH WALES COAST.—Unopposed, sound Light Retail, returning £700; *net profit* £250; up-to-date Pharmacy, well-fitted and stocked; price £300 or valuation.

5.—WEST END.—High-class Dispensing business in prominent position; returns average over £2,000; *net profit* £620; excellent chance for two smart men; price for quick sale £950, or small goodwill and valuation.

6.—LONDON, S.W. (Good Residential Suburb).—Sound, progressive, good-class Business; returning over £1,900; main road position; good residence; attractive Pharmacy; well stocked; price for quick sale £500; only requires seeing.

7.—ESSEX (Suburb).—Cash Drug Stores, returning £17 to £18 a week under unqualified; clear net profit £7 a week; low rent; modern shop, well stocked; price £75 and valuation.

8.—LONDON SUBURB, S.E.—Cash Drug Stores, in good position; plenty of scope; returns £500; *net profit* £220; books properly kept; low rent; corner shop; good house; well stocked; price £250.

STOCKTAKINGS.

We are now booking stocktakings for May, and are open to undertake one or two large ones during that month. Appointments should be made early to avoid dates clashing. Terms sent on application.

BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

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LAKE DISTRICT.—Old-established Cash Business; N.H.I. Dispensing, Prescribing, and Optical; net profits about £400 per annum; price for quick sale, £700. Address "Lakes," c/o Southall Bros. and Barclay, Ltd., Business Transfer and Valuation Department, Birmingham.

LONDON, S.W.—General Business for Sale in good suburb; returns £1,900, increasing yearly; satisfactory reasons for selling; proprietor will remain for a time if necessary; price £450, or offer. Apply 66/23, Office of this Paper.

MIDDLESEX (London, 7 miles).—For quick Sale, owing to ill-health, thriving unopposed Business; only one here; population over 16,000, in main thoroughfare, doing over £800 under unqualified, chiefly Drugs; no N.H.I.; very profitable; a bargain at £350, or valuation of stock and fixtures. Apply 72/36, Office of this Paper.

NEVIN, NORTH WALES.—Dispensing Chemist, Family, Photographic, etc.; takings £500 (might be doubled by pushing); corner shop and house, 3 bedrooms, 3 living rooms, 2 large cellars, 2 attics, 2 lofts, and small handy yard; seaside resort, most bracing beautiful country; 7 miles from railway station (Pwllheli), regular motor-bus conveyance, etc., from station. Apply to W. G. Williams, The Pharmacy, Port Dinorwic.

SOUTH WALES.—Old-established Chemists' Business for Sale; modernly fitted throughout; rent £250; sub-let £132 12*s.*; late proprietor dead, widow retiring; takings over £60 weekly, increasing; cash business; fullest investigation; price £2,500, or nearest offer. Apply "Exors." (73/1), Office of this Paper.

TUNBRIDGE WELLS.—Herbal and Druggist Sundries' Business for Sale, in good position; also a special Liver Pill put on the market ten years ago; can be worked up to an unlimited scope; receipts £500 to £600 per annum; low rent; long lease; convenient house attached. Apply G. B. Collins, 5 Quarry Road, Tunbridge Wells. No agents.

WALLASEY.—Old-established genuine Light Retail; exceptionally profitable; few Patents; turnover £1,200; good house; splendid position; could be greatly increased by right man; price, valuation, about £450, and small goodwill. Apply Kennedy, 2 Park Road, Liverpool.

YORK.—For immediate disposal, the old-established Business of the late Mr. J. Sowray, Chemist and Druggist; unique corner stand in busy thoroughfare, commanding six different streets; returns about £800 under management; good opening for Photographic, Dental, etc. Apply W. Sowray, 57 Petergate, York.

A BIRMINGHAM bargain for quick sale! Practically without rent! (Rent 13*s.* clear; let offs, 10*s.* to 13*s.*); partly retiring; established 1904; has been much neglected on account of other business; fine opportunity for Chemist desiring a Branch or an unqualified man opening for himself. Earl James, 198 Witton Road, Birmingham.

A UNIQUE opportunity occurs to secure, on very easy terms, Business established 50 years, doing £750 to £800 and scope; price about £350 or valuation; £150 on entry, balance to suit; vendor has appointment, so will sacrifice; every facility to genuine purchaser; no agents. Apply 67/35, Office of this Paper.

BUSINESS for immediate disposal; West Lancashire; country district; no near opposition; commodious premises, doing nearly £1,000 as branch under management. Apply 72/28, Office of this Paper.

FOR SALE.

COPPER Still (10 gallon) with worm condenser; Dores make; can be used for vacuum or steam distillation; only used three times. Apply Holland's Warehouse, 73 Southwark Street, London, S.E. 1.

FOR Sale, small quantity Saccharin; 550 guaranteed. State requirements, Henning, Larne.

GARDNER'S Sifter and Mixer for Sale; 60 lb. capacity, with electric motor pulley wheels and belting complete; also spare Sieves; space wanted. Apply Holland's Warehouse, 73 Southwark Street, London, S.E. 1.

GENERAL Clearance Offer. 1 oz. Piperazine (Schering), 12*s.* 6*d.*; 1 oz. Mesotan (Bayer), 3*s.* 6*d.*; 1 oz. Novaspirin (Bayer), 3*s.* 6*d.*; 1 oz. Airol (Roche), 4*s.*; 1 tube 25 × 7½ Novatophan Tabs. (Schering), 3*s.* 6*d.*; 1 oz. Helmitol (Bayer), 2*s.* 3*d.*; all original packages. Apply 75/11, Office of this Paper.

ON Sale, 22,500 Hanging Cards, Eyelets and Cords; printed one side "Glove Cleaner," plain white the other; suitable for any carded goods; best offers accepted; sample sent. Also 2 × 50 gallon tin-lined Tanks, with taps and loose tops; clean; best offers accepted. Hannah's, 41 Milkstone Road, Rochdale.

WHAT offers for 16 "Chemist and Druggist" covers, to hold 13 copies, all as good as new, and about 2 gross 16-ounce Flat Bottles. Also quantity of 4-ounce plain, round Powder Tins. Millward, York Works, 40 Durham Road, Newport, Mon.

1,000 MICROSCOPE Slides for Sale, in good condition; various subjects. Apply to 29/42, Office of this Paper.

AGENCIES.

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BRITISH FIRMS desiring representation in Australia are invited to communicate with "Austral" (254/74), c/o "C. & D.," 42 Cannon Street, London, E.C. 4, who has exceptional facilities for handling all lines, including Drugs, Chemicals, Brushware, Household and Toilet Requisites, Druggists' Sundries, Pharmaceutical Machinery, and everything of interest to Retail Pharmacists.

EGYPT.—French Representative established in Egypt since 1910, having wide experience and a first-class connection among Chemists and Druggists, is prepared to represent English Manufacturing Chemists and Druggists and makers of Pharmaceutical and Toilet Specialities; high-class references to English and French Houses for which agencies in force. Reply to P.O. Box 1505, Cairo, Egypt.

BUSINESSES WANTED.

COUNTRY Business, S. or W. of London; lock-up shop preferred, not essential; will arrange exchange of good-class Dispensing Business in West London suburb; select trade; average net profits, £500. "Faber" (73/9), Office of this Paper.

WANTED, small country Business; South-West or West of England preferred, but not essential. Please state full particulars, "W. A. B." (67/36), Office of this Paper.

A GOOD middle-class country town Business; South of Thames or South Coast town; situation bracing; roomy, convenient business premises desired; turnover from £1,000 upwards; no objection to a neglected business, or a little Dental or Optical; cash terms. Please address "Chemicus," c/o Mr. Churchouse, Chemist, Sturminster Newton, Dorset.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

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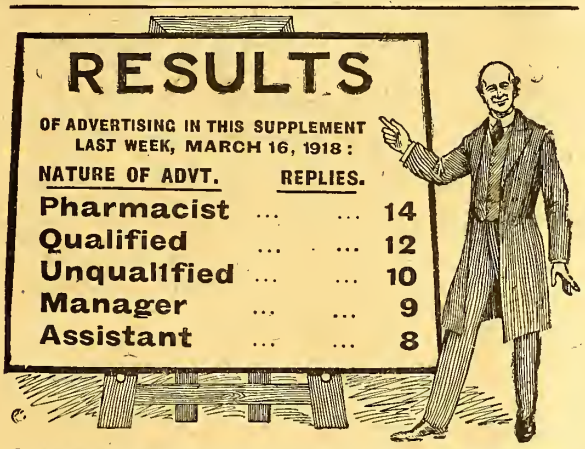

The above demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

RETAIL.

BALHAM.—Assistant (at once); qualified; ineligible or lady, with good Counter experience, Dispensing, Prescribing. State salary, Cooper, 1 Ramsden Road, Balham, S.W. 12.

BARROW.—Smart, experienced young lady for quick Light Cash Retail; Dispensing and Photo trade taught. State wages expected, experience, references, to Benson, Chemist, Barrow, North Lancashire.

BIRMINGHAM.—Lady Assistant required (immediately) for progressive business, near the centre of the city; must be a good Dispenser. State salary required and when at liberty, "B. S." (33/69), Office of this Paper.

BOLTON.—Qualified Manager for a brisk Retail Branch; good salary to suitable man. Apply, with full particulars, to Waller & Riley, Ltd., Chemists, Bradshawgate, Bolton.

BRIGHTON (Outdoors).—Competent Assistant wanted; duties mainly Dispensing, with some Counter work; hours 9-7.30, Wednesday 9-9, Thursday 9-1. Sunday duty (on alternate Sundays) 9-2 and 6-8. Apply, with full particulars as to experience, age, and salary required, enclosing photo, J. Colby & Co., 101 Western Road, Brighton.

BRIGHTON.—Assistant for Light Retail, without N.H.I.; comfortable, permanent, progressive position for the right man. Do not reply unless you wish to get on and gain experience; if you do, state age, when free, and salary expected to Stead, Duke Street, Brighton.

BRIGHTON.—Junior Assistant wanted, either sex, for Dispensing and Light Retail business; good Dispensing experience essential. With application, kindly give fullest particulars as to experience and salary required, Jeeves & Son, Chemists, Brighton.

CLIFTON, BRISTOL.—Capable Dispenser, ineligible, or lady, for high-class business; no evening duty. Apply, stating age, height, experience, and salary (outdoors), enclose photo if possible, to Giles, Schacht & Co.

CORNWALL.—Lady Assistant required for an old-established country business; knowledge of Dispensing and Photography necessary; short hours, no Sunday duty. C. Wakeham & Son, Chemists, Helston.

HULL.—Wanted, Assistant (outdoors); used to good-class Retail and Dispensing business. Send full particulars, age, reference, and salary required, S. T. Kirton, Chemist, 53 Savile Street, Hull.

LANCASHIRE.—Young lady, with a little experience of Counter work and Dispensing, required for Light Retail and Dispensing business; comfortable berth; progressive salary. "Lancs" (33/693), Office of this Paper.

LEEDS.—Wanted, Assistant; Light Retail and N.H.I. Dispensing; preference given to one with Dental work experience, but not essential. State salary, etc., to E. Brownhill, Dental Chemist, 176 Woodhouse Street, Leeds.

LONDON (CITY).—Wanted, qualified Assistant; ineligible for Army; Dispensing and Counter; easy hours. Apply, giving full particulars and references, to R. Howden, 11 Fenchurch Street, E.C.

LONDON, E.—Assistant (qualified) for N.H.I. Dispensing, Counter, etc.; ineligible, or over military age; outdoors; salary £3 weekly and commission on scripts, over 1,000 monthly; good references required. "Dispenser" (74/4), Office of this Paper.

LONDON, N.—Part-time qualified Assistant wanted for Thursday mornings, Fridays, and Saturdays, or alternate Saturdays; suit elderly gentleman. State age, salary, and references to 72/8, Office of this Paper.

LONDON, N.—Wanted (at once) for Saturday evenings (5.30-8.30), a reliable, qualified (preferred) Assistant; lady or gentleman, if a gentleman one ineligible for the Army, with good experience in Dispensing and also at the Counter. David Anderson, 21 Broadway Parade, Crouch End.

LONDON, N.E.—Qualified Locum required (at once); take charge of high-class business for a few weeks. Apply 74/26, Office of this Paper.

LONDON, S.E.—Trustworthy and reliable, qualified or unqualified, Assistant required, ineligible or over military age, for permanency. Apply Beale & Son, 3 High Street, South Norwood, S.E. 25.

LONDON, S.W.—Assistant (unqualified) required for progressive high-class Pharmacy; excellent Dispensing experience essential; permanency. "S. P." (33/690), Office of this Paper.

LONDON, W.—Assistant (lady or gentleman) for Light Retail and Dispensing business; hours 9 to 7, Wednesdays 1, Saturdays 8, no Sunday duty. State full particulars and salary required. Thompson, Pharmaceutical Chemist, 31 The Grove, Ealing, W. 5.

LONDON, W.—Unqualified Assistant Manager required for very large Store business; must have had exceptional experience in quick cash business and be able to produce the highest credentials; permanency and liberal terms offered. "Alpha" (33/696), Office of this Paper.

LONDON, W.—Evening assistance required for good-class Dispensing for a few weeks from April 2nd; hours from about 5.30 till 8. W. Ive, 221 High Street, Kensington, W. 8.

MANCHESTER.—Qualified Assistant; reliable; outdoors; permanency; references, etc. Apply 75/12, Office of this Paper.

MIDLANDS (not far from Birmingham).—Young lady Assistant required; must have had good Counter experience and be able to Dispense; comfortable and progressive berth. "P. S." (33/695), Office of this Paper.

SOUTH OF ENGLAND.—Assistant required (male or female); free removal; permanency with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

SOUTH WALES (within 10 miles of Bridgend).—Qualified Manager (Welshman preferred) for business situate in a colliery district; must be a good Prescriber, and bear unimpeachable character; permanency, with a liberal interest in the profits offered to the right man. "S.W." (33/691), Office of this Paper.

STOKE-ON-TRENT.—A competent Assistant, lady, or gentleman ineligible, wanted as Second; must have had good training and experience, and good address; outdoors. Also a young lady for putting up Stock, Packing Proprietaries, and Bookkeeping in Wholesale department; give usual particulars and references. Apply Edmund Jones, M.P.S., Miles Bank, Hanley, Stoke-on-Trent.

WEST-END.—Wanted, a thoroughly up-to-date man, fully qualified, to manage a first-class Retail Business in the West-End. To a capable man a most liberal salary, and every prospect of advancement will be given. Apply "X. Y. Z." (72/21), Office of this Paper.

WORCESTER.—Qualified Assistant for Dispensing Counter (lady or gentleman); easy hours, no Sunday duty. Please state full particulars, salary (outdoors), to E. J. Kitson, City Drug Stores, Worcester.

YORK.—Competent Assistant required (also lady Junior) at once for Retail shop; preferably with experience of Veterinary and Agricultural requirements. Write fully, giving age, references, and salary required, to Frank G. Hines, Messrs. M. Folkard, Pavement, York.

YORKS (WEST RIDING).—An Assistant, with knowledge of Sight Testing, required for good-class business; Chemist with F.S.M.C. qualification preferred; short hours; outdoors. Apply, with full particulars, 72/19, Office of this Paper.

ACTIVE, qualified gentleman (ineligible) required in good-class Retail Dispensing and Photographic business. References and full particulars, including salary (outdoors), Thorp, Chemist, Bognor.

ASSISTANT wanted; qualified or unqualified; ineligible for Army; outdoors; must be used to good-class Dispensing and Counter work; only one kept; hours 9-8, Saturdays 9-9, Sunday duty one in four. State full particulars and salary expected, S. P. Sayers, 7 Brent Street, Hendon, N.W. 4.

ASSISTANT (lady or gentleman) wanted for Counter and Stock; knowledge of Dispensing not necessary. State age, height, salary required, and experience (enclose photo if convenient), Harold Smith, Chemist, Cirencester.

ASSISTANT (lady) with practical Dispensing knowledge, accustomed to the general business of a good-class Pharmacy, required in about two weeks. Apply, with particulars and salary required, to E. L. Slade, 3 Station Parade, Kew Gardens.

ASSISTANT for mixed country business; qualification not essential; knowledge of Photography preferred; outdoors; easy hours, no duty. State salary required, Randall & Son, Wareham.

DISPENSER, with good experience, required for West-End; outdoors; no Sunday or Bank Holiday duty. Kindly state fully previous experience, when disengaged, and salary required, to Lewis & Burrows, 146 Holborn Bars, London, E.C.

DISPENSER wanted; unqualified; ineligible; must be good writer and reliable; outdoors. State salary required and references, Chave & Jackson, Ltd., Chemists, Hereford.

DISPENSER, unqualified (at once). Personal interview preferred, or full particulars to J. W. Barton, 25 Weston Hill, Upper Norwood.

EVENING Assistant wanted, especially for week-ends; N.H.I. Dispensing. Apply Oliver & Co., 39 Hertford Road, Lower Edmonton, N. 9.

EVENING WORK.—Wanted for two evenings per week, preferably Monday and Tuesday or Tuesday and Wednesday, and alternative Saturday evening, Assistant for Dispensing and Counter; Hammersmith district. State hour at liberty and salary required to "W." (74/31), Office of this Paper.

EVENINGS; temporary assistance required (lady or gentleman) on Tuesdays, Thursdays, and Friday evenings from about 6 (or soon after) until 8 p.m.; light duties; no Counter work. Barkers, 14 The Parade, Upper Tooting Road, S.W. 17.

FIRST week in April, unqualified Assistant in small good-class business, with Post Office; lady, or gentleman (ineligible), with fair knowledge of Dispensing and Counter work; in- or out-doors. State usual particulars and salary expected to G. Dauncey, Nugent Terrace, St. John's Wood, N.W. 8.

HEAD Dispenser wanted; fully qualified; salary £150 per annum. Apply by letter only, with copies of testimonials, to the Secretary-Superintendent, Throat Hospital, Golden Square, W. 1.

LADY Dispenser required; accustomed to good-class Dispensing. Apply, with full particulars, to "A. J. B. C.," Cooper, Son & Co., Ltd., 80 Gloucester Road, South Kensington, S.W. 7.

LADY Manager, qualified, required for April 29th; take charge of a nice select business in South-West London; outdoors; an active and trustworthy lady would find this a congenial post; no heavy work, and very little N.H.I. Apply, with usual particulars, to 74/20, Office of this Paper.

LOCUM (unqualified) wanted for about a fortnight, to manage a small Drug Store in the North. Apply 74/24, Office of this Paper.

MANAGER required for old-established and prosperous middle-class suburban business near London; capable business man and Window-dresser; keen man treated liberally; live on premises; convenient house and garden. State full particulars and salary required, 75/13, Office of this Paper.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist (male or female); easy hours; good and progressive salary, with excellent prospects; free removal.

PART-TIME Assistant wanted for Wednesday evenings and alternate Sunday evenings. Apply Nunn, Chemist, Clock House, Beckenham.

QUALIFIED Assistant (lady or gentleman) wanted at once; accustomed to good-class Retail and Dispensing; no N.H.I. work; no Sunday duty, easy hours; outdoors. Apply, with full particulars of age, experience and salary required, and when disengaged, to E. A. L. Kittle, Pharmacist, Horsham, Sussex.

QUALIFIED Assistant (outdoors), with good Dispensing experience. Dyson & Co., 35 Gloucester Road, South Kensington.

QUALIFIED Chemist, ineligible for military service, to manage Light Retail and Dispensing business in progressive county borough in the Midlands; commission on profits; easy hours; applicants should send full particulars of experience, stating age, salary desired, and date when disengaged. Apply 73/5, Office of this Paper.

QUALIFIED young man, single and rejected or discharged, required immediately; permanency, with good prospects of advancement. Please state age, salary required, and when at liberty, "H. L." (33/692), Office of this Paper.

VACANCY for an Apprentice, Mechanical Dentistry; small premium. Particulars, apply Edwards, 4 Staplehurst Road, Lewisham, London, S.E. 13.

WANTED (Birmingham), a smart lady as Dispenser and little Counter; easy berth. Apply "Noloutilisesse" (73/36), Office of this Paper.

WANTED by Doctor in a few weeks' time, an experienced male Dispenser. State age, experience, and salary required, 72/23, Office of this Paper.

WANTED, part-time Dispenser (lady); Wednesday and Saturday evenings, 5.30 till 9, and alternate Sundays, 6 till 8. Dr. Johnson, 46 Packington Street, Islington, N.

WANTED, Assistant; lady or gentleman; able to Dispense, but principally to help at Counter and put up Stock; please give full particulars and salary required (outdoors); easy hours; no Sunday duty. Write Arthur Marshall, Abbey Pharmacy, Waltham Abbey.

WANTED, qualified Assistant; good experience; outdoors; easy hours. Apply J. D. Marshall, 50 Wigmore Street, Messrs. John Bell & Croyden.

WANTED, lady Dispenser; one with Counter experience preferred. Apply, with full particulars, to Rutter, Chemist, Seaforth, Liverpool.

WANTED, qualified man to take temporary charge, with or without view to partnership; state terms, when at liberty; Assistant and Apprentice kept. E. Fowler, Chemist, Hull.

YOUNG lady Assistant required for high-class business situate in Surrey; very comfortable and permanent post; progressive salary; good Dispensing experience essential. "H. S." (33/697), Office of this Paper.

WHOLESALE.

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ANALYTICAL Chemist, capable of managing Small Works; must thoroughly understand manufacture of Cream Powders; a good position for the right man. State age, salary required, and full particulars of past experience, "L." (20/7), Office of this Paper.

ASSISTANT wanted for getting up orders and general Warehouse; country Wholesale and Agricultural; ineligible; state salary and experience, and enclose references; a comfortable permanency for a suitable man. P. Jeyes & Co., Ltd., 6 The Drapery, Northampton.

ASSISTANT wanted for Wet Counter. Baiss Bros. & Co., Ltd., 175 Grange Road, Bermondsey, S.E. 1.

CHECKERS for Home and Export Packing Departments required (at once). W. M. C. Burgoyne, Burbidges & Co., Ltd., East Ham.

CHECKER required for Home Despatch Department. Evans Sons Lescher & Webb, Ltd., 60 Bartholomew Close, City.

CLERK wanted; one used to the Drug Trade preferred. Apply by letter to "B. L.," c/o Wright, Layman & Umney, Ltd., 46 Southwark Street, S.E. 1, stating experience.

DRUG TRADE.—Invoice Clerk wanted; ineligible; hours 8.30 to 6 p.m., Saturday 8.30 to 1 p.m. State age, experience, and salary required, Reade Brothers, Ltd., Wolverhampton.

PATENT MEDICINE DEPARTMENT.

EXPERIENCED and intelligent Lady required to take full control in large Departmental Store.
Apply, stating full particulars of experience and salary required, to "P. M.," Lewis's, Ltd., Ranelagh Street, Liverpool.

FIRST-AID APPLIANCES.—Wanted, energetic young man with experience, to take entire charge of new department. Apply "L." (34/67), Office of this Paper.

INTERESTING and profitable part-time commission offered to Travellers with good connections; easy and useful work of National importance; liberal commission only. Write "F. J. G.," 34 Maiden Lane, Strand, W.C. 2.

LADY Laboratory Assistant for testing spirit strengths required by Manufacturing Chemists; suitable vacancy for beginners. Apply by letter, with full particulars, to "L." (35/8), Office of this Paper.

MAN required, ineligible, knowledge of Drug Trade, for Wet Counter. Apply Wm. Hay, Ltd., 3 York Street, Walworth, S.E.

ORDER Clerk required; one with thorough knowledge of the Patent Medicine and Druggist Sundries' trade. Write, stating full particulars and salary required, "L." (100/4), Office of this Paper.

PACKER (ineligible) required in Fulham Hairdressers' Sundries house; previous experience essential; wages 37*s.* 6*d.*, and war bonus; hours 8-6, Saturdays 1 o'clock; overtime paid. Apply 74/21, Office of this Paper.

PARTNER required to take control of Wholesale side of sound old business; gentleman with experience and ample capital would find considerable scope. Please write for personal interview, giving bankers' or other references, to "Partner" (73/13), Office of this Paper.

REPRESENTATIVE required by London Wholesale Druggists for South Wales and West England; salary and commission. Apply, with full particulars, to "L." (33/2), Office of this Paper.

SCIENTIFIC APPARATUS AND CHEMICALS, BIRMINGHAM. —Assistant wanted for Wholesale trade; exceptional prospects for educated man with energy and ability; experience of the trade not essential. Reply fully, giving some idea of salary expected to commence, "L." (34/31), Office of this Paper.

SURGICAL Instruments and Druggists' Sundries Assistant, male or female, to serve at Counter; state experience and salary required; London. Apply "L." (32/20), Office of this Paper.

TABLET Maker required; London district; good wages and permanency to suitable man. Apply 72/12, Office of this Paper.

TEMPORARY berth for a qualified Chemist; ineligible for Military Service; must be accustomed to the analysis of Crude Drugs and Chemicals, and the standardisation of Pharmaceutical preparations; will also be required to conduct quantitative and qualitative analyses of foods, water, urine, etc.; a knowledge of Bacteriology essential. Apply 72/14, Office of this Paper.

TRAVELLERS wanted to call on Wholesale Buyers of Heavy Chemicals; salary £2 and commission. Apply "L." (26/33), Office of this Paper.

WANTED, an Assistant Working Foreman for Food Factory, North London; must be strong and of good character; previous experience of manufacturing plant preferable, but not essential; good prospects for suitable man. Write, stating age, experience, and commencing wage required, to 76/4, Office of this Paper.

WELL-KNOWN firm, having a well-advertised Proprietary to introduce to Chemists, desire a Representative for Yorkshire (West Riding in particular); commission only 15 per cent. on first order, 10 per cent. on repeats. Apply 33/694, Office of this Paper.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

3s. 6d. for **50** words or less; **6d.** for every **10** words or less beyond, prepaid. The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

RANGOON.—E. M. de Souza & Co. require qualified Assistant; ineligible; about 25; salary 300 rupees per month, 325/350; three years' agreement; good prospects; passage paid out and home. Apply E. M. de Souza & Co., 44 Holborn Viaduct, E.C. 1.

SINGAPORE.—Wanted, qualified Assistant; young, single, ineligible Army; three years' engagement; salary £250, £275, and £300 respectively; passage paid out and home. Further particulars from Downie, 187 Gairbraid Street, Glasgow.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

[HOME.]

RETAIL.

ADVERTISER, qualified, above military age, desires Branch Managership or other position of trust; good experience; practical Photographer; excellent references; West of England. Apply 73/40, Office of this Paper.

AFTER Easter, post required; Hospital or Dispensary preferred; Hall certificate, 1915; excellent testimonials; temporary work not objected to. Reply "W." (70/21), Office of this Paper.

AN experienced Assistant, unqualified, Senior or Manager, reliable worker, Dispenser, Salesman, 38, C3, married, liberty shortly, requires permanency. Apply "P.," 150 Keighley Road, Skipton, Yorks.

AS Assistant; 22; tall; capable; unqualified; discharged. Salary and particulars to 70/10, Office of this Paper.

AS Manager or Locum; unqualified; Army discharge; or entertain management, view succession; London or suburbs. "Chemist," 90A Pearcroft Road, Leytonstone, E. 11.

AS Manager-Assistant; locum; good references and experience. "Statim" (76/3), Office of this Paper.

ASSISTANT, experienced, Irish qualification, as Manager. Full particulars, 74/23, Office of this Paper.

BOOKKEEPING and Accounts; can give afternoons and evenings; well experienced, and good references; terms moderate. Apply "X. Y. Z." (67/8), Office of this Paper.

BRIGHTON.—Assistant; 25 years' experience; unqualified. "Referentia" (72/7), Office of this Paper.

BUSINESS lady, 28, wishes to learn Dispensing, etc.; willing to take small salary until required knowledge gained. "B. A." (75/8), Office of this Paper.

CERTIFICATED lady Dispenser (experienced) desires post with Doctor or Institution, within easy distance of under-mentioned suburb. Apply Morris, 11 Manor Road, Beckenham.

CERTIFICATED Nurse, trained Dispenser, seeks employment as Dispenser with Doctor. Apply 73/2, Office of this Paper.

COLWYN BAY OR WEST COAST.—Assistant, in good-class Dispensing business, desires permanent position in May; unqualified; 42; abstainer; married; good bookkeeper. "Camphor" (72/29), Office of this Paper.

DISPENSER (Doctor's), unqualified, ineligible, desires post (at once); 25 years' experience; little Retail. "B.," 24 Bristol Road, Forest Gate, E. 7.

EXPERIENCED, unqualified Senior Dispenser, accustomed first-class work, capable sole charge; Counter and Prescribing; married. Please state salary and particulars, "A. B." (74/2), Office of this Paper.

EXPERIENCED lady Dispenser and Bookkeeper requires post with Doctor; South Coast preferred, but not essential. Apply 71/17, Office of this Paper.

J. MILNER, Chemist, Greenwich, recommends young lady Assistant, who is moving to Newcastle-on-Tyne, and requires a berth with Chemist in that town; good Window-dresser and Counter hand; four years' experience. Miss Jeffries, 35 Horton Street, Lewisham, S.E. 13.

LADY Dispenser (Hall qualification), experienced, desires post; Cambridge district preferred. Moxon, Oak Cottage, Great Shelford, Cambs.

LADY Dispenser (Apothecaries' Hall certificate) desires a post in or near London; had good experience at Hospitals, and can show excellent testimonials. Miss K. Deighton, 63 Wickham Road, Brockley, S.E. 4.

LADY Dispenser (Hall), part-time (no evenings), requires employment in Pharmacy; S.E. London preferred. Apply "D. B.," 19 Oakcroft Road, Blackheath, S.E. 13.

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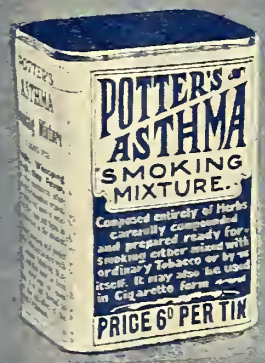

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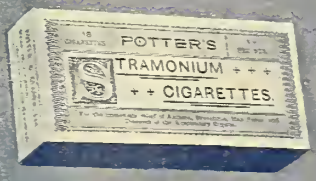

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